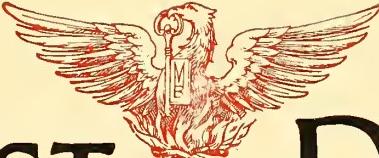


The



CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

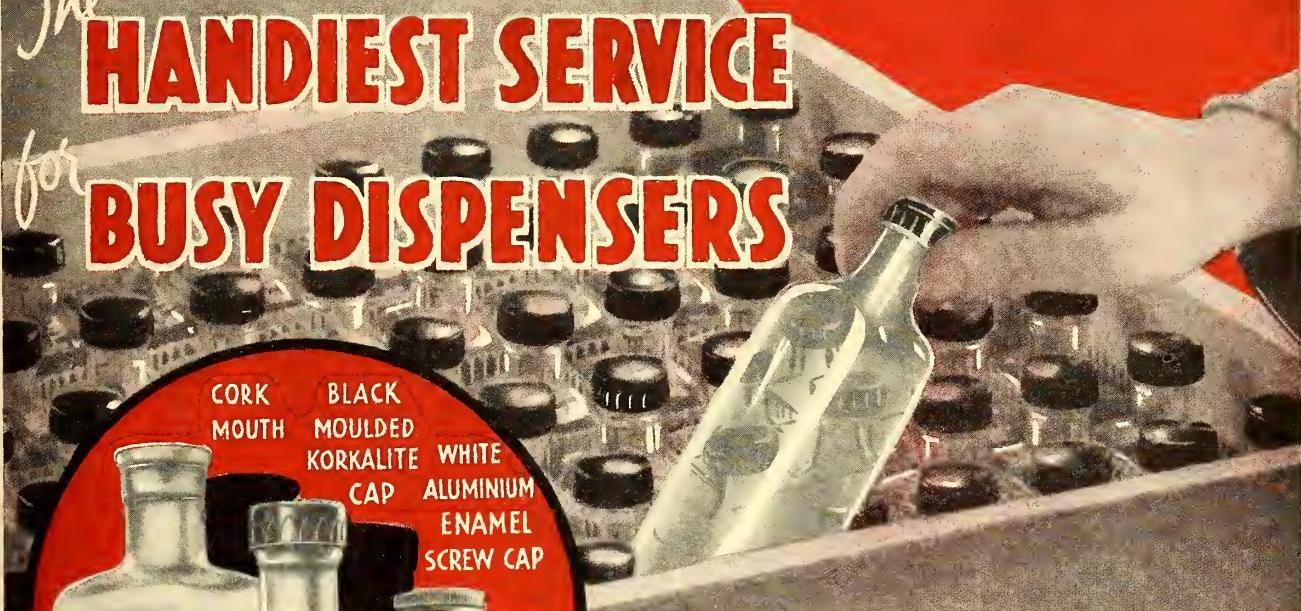
No. 2988
VOL. CXXVI

MAY 15, 1937

Annual Subscription (with
Diary) 20/- Single Copies 9d.

The

HANDIEST SERVICE for BUSY DISPENSERS



CORK MOUTH BLACK MOULDED KORKALITE WHITE CAP ALUMINIUM ENAMEL SCREW CAP



REGISTERED
UGB
TRADE MARK
BRAND

WASHED & STERILIZED MEDICALS
READY FOR USE

UGB

UNITED GLASS BOTTLE
MANUFACTURERS • LIMITED

The Largest Manufacturers of Glass Bottles in Europe
40-43 Norfolk Street, Strand, London, W.C.2

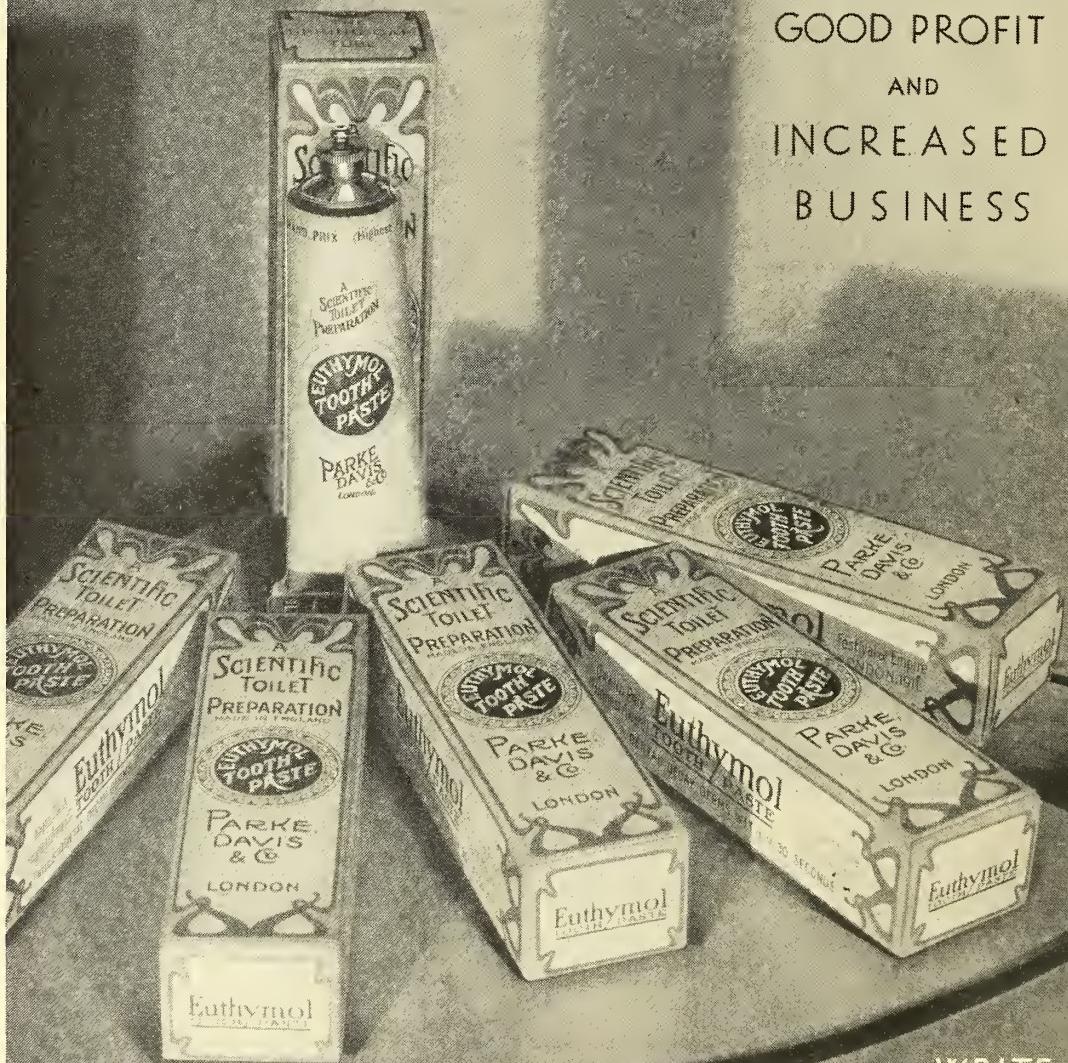
Phone : Temple Bar 6680 (10 lines) Grams : "Unglaboman, Estrand, London."

THE STANDARD MEDICAL BOTTLE FOR DISPENSING

The U.G.B. Washed and Sterilized Dispensing Bottle Service has stood the test of years and still remains the best value and most labour-saving for dispensers. Every bottle, whether cork mouth or for screw cap, passes through boiling distilled water, then dried with super-heated filtered air.

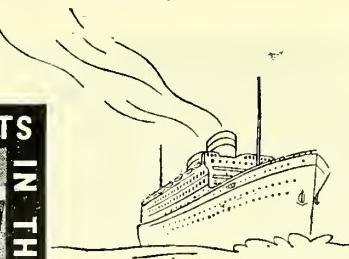
A SOUND LINE

BRINGING
GOOD PROFIT
AND
INCREASED
BUSINESS



WRITE
FOR
TERMS

PARKE, DAVIS & CO., 50 BEAK STREET, LONDON, W.I.



Great new Travel Sickness Remedy that will sell because:

- IT IS ABSOLUTELY HARMLESS
- IT IS PROVED EFFECTIVE
- IT HAS BEEN WIDELY TESTED
- SHIPS' DOCTORS USE IT
- THE SELLING PRICE IS RIGHT
- YOUR PROFIT IS RIGHT

"Airsea" is a travel sickness antidote of real worth which you can sell and recommend with confidence. Because it is efficient, absolutely harmless and entirely free from unpleasant after-effects you are assured of repeat orders. Get to know all about this fine new line without delay.

Sole Distributors

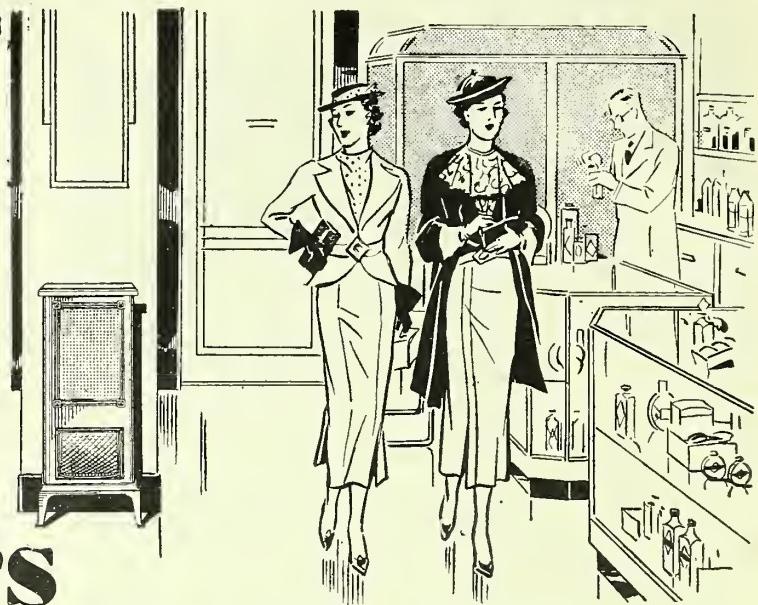
**THOS. CHRISTY & CO. LTD.,
6-12 OLD SWAN LANE, E.C.4**

who will be pleased to send details of prices, terms and any further particulars required.

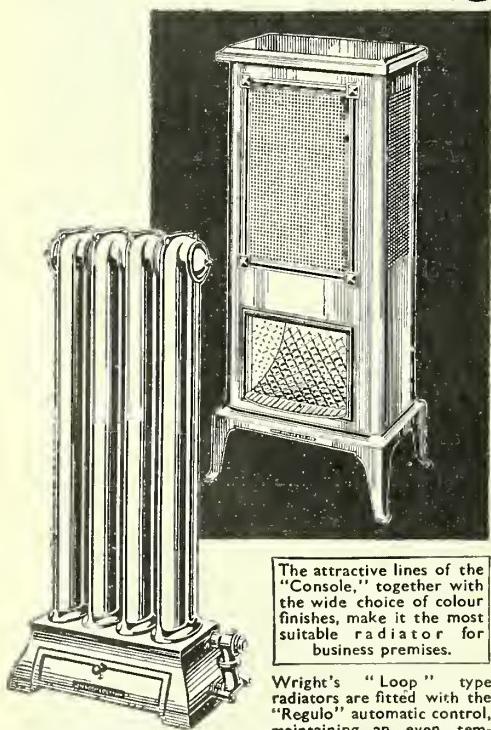
Manufactured by

Anglo International Producers, Ltd.,
12-13 South Place, E.C.2.

AIRSEA
BRAND
TRAVEL SICKNESS ANTIDOTE



WRIGHT'S GAS RADIATORS FOR EFFICIENT SHOP HEATING



The attractive lines of the "Console," together with the wide choice of colour finishes, make it the most suitable radiator for business premises.

Wright's "Loop" type radiators are fitted with the "Regulo" automatic control, maintaining an even temperature and ensuring that only a minimum of gas is used.

KEEP your premises pleasantly warm. An atmosphere of comfort puts your customer in the right frame of mind for buying and helps your staff to attend to business in a cheerful, contented manner.

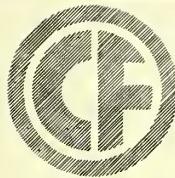
One of the outstanding features of Wright's Gas Radiators over all other methods of shop-heating is that these radiators need no attention from the moment they are lighted. Each radiator functions as an independent unit, is easily installed, and can be brought into or put out of commission in a few seconds.

There is no better method of heating pharmacies than Wright's gas radiators.

Illustrated lists will be sent on application to C.D. Dept.

**JOHN WRIGHT & CO. LTD.
ASTON, BIRMINGHAM, 6**

Radiation



One of the most attractive show-stands we have produced attracts your customers to this well-known product. The old bakelite jars are now replaced by new coloured glass jars in black, blue and green with silver caps, an unusually attractive pack. Also in one ounce tubes.



Collosol ZINC CREAM



Available to retailers at particularly advantageous terms which show an attractive margin of profit.

Appealing show material and the new coloured glass jars make effective displays.

Write for details.

THE CROOKES LABORATORIES

(British Colloids Ltd.)
PARK ROYAL, LONDON, N.W.10.

Telephone : - Willesden 6313 (3 lines)

Telegrams : - Collosols, Harles, London.

T.G.S.



EASY TO PREPARE
A DELICIOUS
SWEETENED AND

FLAVOURED JUNKET
FOR THE SICKROOM
NURSERY & TABLE

•
ADD CONTENTS TO
A PINT OF WARM
MILK—STIR GENTLY
AND ALLOW TO COOL

ARMOUR'S FLAVOURED JUNKET

A PREPARATION TO CREATE SALES



ARMOUR & COMPANY LTD.

LABORATORY DEPT., ARMOUR HOUSE, ST. MARTINS-le-GRAND, LONDON, E.C.1

TELEGRAMS: "ARMOATA-CENT,"
LONDON
TELEPHONE: - - NATIONAL 2424

INDEX TO ADVERTISERS

Acton Pill & Tablet Co., Ltd. (Uricure Tablets)	xi	Burge, Warren & Ridgley, Ltd. (Surgical Rubber Goods)	20	Fellows Medical Manfg. Co., Ltd. (Fellows Syrup)	vi
Aerograph Co., Ltd. (DeVilbiss Atomisers)	ix	Burrough, James, Ltd. (Alcohol for Perfumery)	xiii	Gallops, Ltd. (Acorn Foot Paste)	xii
Anglo-International Producers, Ltd. (Travel Sickness Remedy)	1	Burroughs Wellcome & Co. (Ryzamin-B, &c.)	23	Gardner, W., & Sons (Glos.), Ltd. (Machinery)	xiv
Armour & Co., Ltd. (Flavoured Junket)	4	Calvert, F. C., & Co., Ltd. (Carbolic Ointment)	15	General Surgical Co., Ltd. (Hypodermic Syringes, &c.)	xiii
Armstrong Cork Co., Ltd. (Corks)	16	Chemist & Druggist, The (Shops Act Cards)	22	George, Ernest J., & Co. (Valuers, &c.)	Col. Supp.
Association of Manufg. Chemists, Ltd.	Col. Supp.	Christy, T., & Co., Ltd. (Py-Shan Points Tea)	20	Glycerine, Ltd.	iv
Bayer Products, Ltd. ('Luminal')	Leader Page	Collins, Reynolds & Co., Ltd. (Toilet Preparations)	17	Grey, Adelaide, Ltd. (Laleek Toilet Preparations)	17
Beatson, Clark & Co., Ltd. (Bottles)	10	Continental Laboratories, Ltd. (Taxol)	iv	Hackett, S. E. (Film Overstocks)	Col. Supp.
Beechams Pills, Ltd. (Company Meeting)	19	County Perfumery Co. (Brylcreem)	14	Hampden Residential Club	Col. Supp.
Bell, John, Hills & Lucas, Ltd. (Travel Sickness Remedies)	Leader Page	Cox, A. H., & Co., Ltd. (Sulphur Tablets)	8	Hampson, F., Ltd. (Bottles)	16
Berde & Fish (Valuers, &c.)	Col. Supp.	Cresswell Bros. (Sponges)	17	Hedley, T., & Co., Ltd. (Glycerine)	20
Berton, Arthur, Ltd. (Surgical Dressings)	xiii	Croda, Ltd. (Olive Oil)	20	Howard, Lloyd & Co., Ltd. (Pills, Tablets, &c.)	iv
Blackie, R. (Effervescent Salines, &c.)	ix	Crookes Laboratories (Colossal Zinc Cream)	3	Howards & Sons, Ltd. (Fine Chemicals, &c.)	i
Blythe, W., & Co., Ltd. (Chemicals)	ii	Davenport, J. T., Ltd. (Chlorodyne)	x	Jacquesil Fabrics, Ltd. (Dawn Face Cloths)	15
Boots Pure Drug Co., Ltd. (Medicinal Products)	v	Denver Chemical Mfg. Co. (Antiphlogistine)	viii	Jefferson & Son ("Hemicura," Trusses, &c.)	x
British Drug Houses, Ltd., The (Sun Tan Lotion)	Cover iv	Dixor, Ltd. (Beauty Preparations)	15	Jones & Co. (Methylators), Ltd. (Methylated Spirit)	5
British Emulsifiers, Ltd. (Empire Emulsifying Machine)	xv	Domo Remedies, Ltd. (Domolene, &c.)	xi	Josephs, Philip, & Sons, Ltd. (Shop-fittings)	18, Col. Supp.
British Felsol Co., Ltd. (Asthma Remedy)	Leader Page	Dudley & Co., Ltd. (Display Fittings)	19	Kay Bros., Ltd. (Viper Flycatcher)	xv
Buggé's Insecticides, Ltd. (Derris Insecticide)	20	Duke Pharmaceutical Co. (Plastordine)	20	Kent, G. B., & Sons, Ltd. (Brushes)	9

[Continued overleaf.]

JONES'
FINEST QUALITY

METHYLATED
SPIRIT

ALL STRENGTHS
IN STOCK.

PROMPT DELIVERIES IN CASKS,
DRUMS OR BY
TANK LORRY.

Send your enquiries to :—

JONES & CO. (Methylators) LTD., Bow, London, E.3

TELEPHONE : ADVANCE 3210. TELEGRAMS : "METHSPIRIT, LONDON."

INDEX—cont.

Lofthouse & Saltmer, Ltd. (Halibut Liver Oil)	viii
London & Provincial Factors, Ltd. (Wanie Blades)	14
Lord Bros. & Co., Ltd. (Tins)	xiv
Low, Son & Haydon, Ltd. (Toilet Preparations)	20
McGlashan, D., Ltd. (Abdine)	viii
Matthews, D., & Son, Ltd. (Shopfittings)	Col. Supp.
Maund, F., & Berg, E., Ltd. (Showcases)	20, Col. Supp.
Maw, S., Son & Sons, Ltd. (Sundries)	11
Midgley & Parkinson, Ltd. (Yeast Preparations)	viii
Mills, H., & Sons, Ltd. (Shopfittings)	xv
Mosans Quinine Pessaries	xii
Mundet Cork Products, Ltd. (Corks and Stoppers)	12
Mysore, Trade Commissioner for, in London (Sandalwood Oil)	ii
National Association of Opticians	20
National Cash Register Co., Ltd. (Cash Registers)	10
Newball & Mason, Ltd. (Masona "Nightcap" Drink)	xi
Ormerod Engineers, Ltd. (Q.P. Emulsifier)	xiv
Orridge & Co. (Valuers, &c.)	Col. Supp.
Pakcel, Ltd. (Cellophane)	19
Paramount Products, Ltd. (Confectionery)	iv

Parke, Davis & Co. (Euthymol)	Cover ii
Pendred & Heim (Perfume and Toilet Bottles)	20
Perken, Son & Co., Ltd. (Clinical Thermometers)	xiii
Pharmaceutical Council Election Col. Supp.	
Phosferine (Ashton & Parsons), Ltd. (Phosferine Tonic)	xi
Potter & Clarke, Ltd. (Wholesale Druggists)	21
Prentif, Ltd. (Contraceptive Products)	xii
Read, F. W., & Sons, Ltd. ("Duo-Ray" Infra-Red Ray Apparatus)	xii
Reckitt & Sons, Ltd. (Dettol)	viii
Riley, J., & Sons, Ltd. (Hypo, &c.)	iii
Robinson & Sons, Ltd. (Su-Can Soluble Towels)	xii
Roura & Forgas (Quicksilver)	ii
Rudduck & Co. (Shopfittings)	Col. Supp.
Salter, G., & Co., Ltd. (Personal Weighing Machines)	14
Saxton Glyme Bottle Co., Ltd. (Medical Bottles, &c.)	12
Schutze, F., & Co., Ltd. (Surgical Appliances, &c.)	x
Scurr, C. A. (Optical Tuition)	20
Sherley, A. F., & Co., Ltd. (Veterinary Preparations)	xv
Simpson, A. (Shaving Brushes)	17
Smith, T. & H., Ltd. (Alkaloids)	iii
Souplex, Ltd. (Beetleware)	20
Southalls (Birmingham), Ltd. (Sanitary Towels)	x
Starke, R. W. B. (Camomile Oil)	20
Sterns, Ltd. (Oils, Petroleum)	vi
Suter, A. F., & Co., Ltd. (Gums)	iii
Suttley & Silverlock (Chemists' Printers)	18
Thompson, John (Wholesale Druggists, 1921), Ltd. (Olive Oil)	6
Thurley, G. E., & Son (Liquid Paraffin)	xi
Toogood, Wm., Ltd. (Dropping Bottles)	13
Town Talk Polish Co. (Liquid Silver Polish)	10
United Glass Bottle Manufacturers, Ltd. (Medical Bottles)	Front Cover
Veno Drug Co., Ltd. (Veno Products)	7
Vosemar Co. (Hair Curlers)	17
Wagner, R. V. (Dry Bottle Caps)	12
Warrick Bros., Ltd. (Sun Products)	24
West, A., & Partners ('Uno' Pen Stencil Outfit)	16
Westminster Laboratories, Ltd. (Brook-lax)	vii
Whiffen & Sons, Ltd. (Bromides, &c.)	Cover iii
Wood Bros. Glass Co., Ltd. (Glassware)	12
Wright, John, & Co., Ltd. (Gas Radiators, &c.)	2
Wyleys, Ltd. (Bismuth and Magnesia Tropels, &c.)	Leader Page
Zimmerman, C., & Co., Ltd. (Dog Remedies)	xvi

MEMBERS OF CHEMISTS' FRIENDS SCHEME
SALE RESTRICTED TO CHEMISTS ONLY

Special Offer of
JAYTEES
HUILE D'OLIVE

To enable our customers to compete with all multiple Stores and Company Shops

SELLING PRICE:

10 ¹ / ₂ d.	1/6	2/9	5/-
PER BOTTLE			

WHOLESALE PRICE:

6/9	11/9	20/-	36/-
PER DOZEN			

In Gross lots—less 5%

JOHN THOMPSON
 (Wholesale Druggists 1921) LTD.
 27/35 DUKE ST., LIVERPOOL

Phone : Royal 6121 (Private Exchange) Wires : "Drugs, L'pool"

As good as



Gilt-edged!



Money-makers! Profit-bringers! Business-builders!
VENO PRODUCTS to send up your turnover, to strengthen your goodwill.

Seize this opportunity to ORDER Dr. Cassells Tablets, Venos Lightning Cough Cure, Germolene Ointment and Phensic, the Nation's Tonic Pain-Killer.

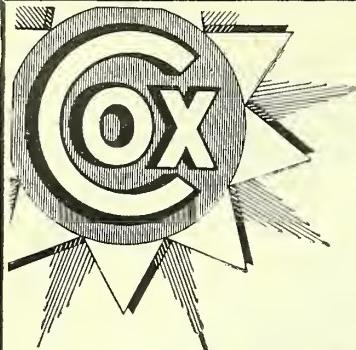
They mean success to YOU—satisfaction to your customers. It's safe and sound to recommend VENO PRODUCTS . . . gilt-edged securities!

Send to-day for fresh supplies and new display material.

Veno

VENO DRUG CO. LTD.

VENO BUILDINGS, CHESTER ROAD, MANCHESTER, 16



The house that specialises in
PILLS and TABLETS
offers—

SULPHUR TABLETS

Particularly palatable
being made from FRESH
FRUIT essence.

RASPBERRY, ORANGE
or LIME FLAVOURS

A well-known article in
improved form is always
certain of a ready sale.



Striking New show-material and

(1) Cellophane rolls of 20,
12/- gross. Retail, 2d.

(2) Coloured Cellophane bags,
3/6 doz. Retail, 6d.

Showjar **FREE** for orders of 14 lbs. and over

Packed as **YOUR OWN** Brand for orders of 14 lbs. and over

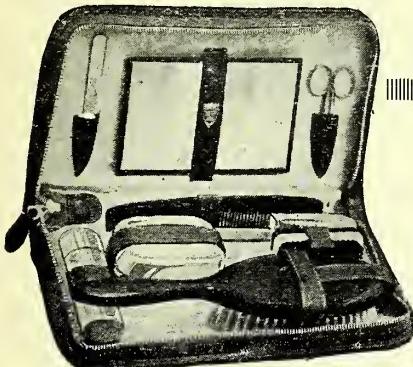


attractive forms of packing

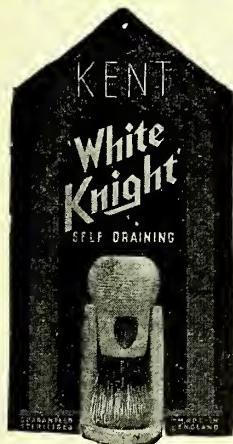
(3) In Bulk (2 oz. cartons
supplied **FREE**).

7 lbs. @ **1/2.** 28 lbs. @ **1/-**
14 lbs. @ **1/1.** 56 lbs. @ **11d.**
112 lbs. @ **10d.**

ARTHUR H. COX & CO. LTD. BRIGHTON



4 REASONS WHY
 IT PAYS TO SHOW
KENT BRUSHES



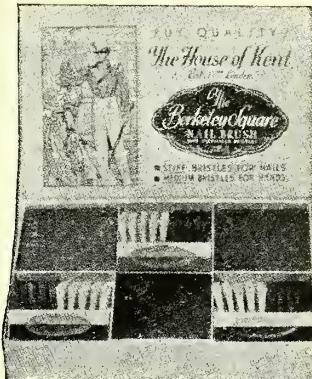
PALL MALL NAILBRUSH



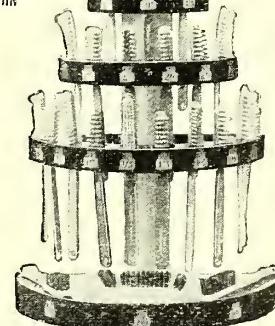
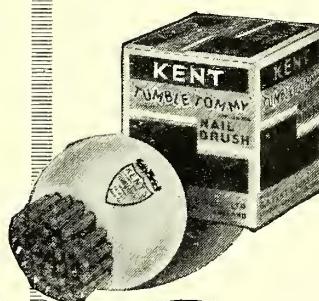
VASE SHAVING BRUSH



KENT
EST. 1777
ENGLAND



The MASSAGE Shaver



1 THE HOUSE OF KENT, established 1777 in the reign of George III, is known by people of culture **THROUGHOUT THE WORLD** for high grade toilet brushes.

2 IT PAYS TO HAVE A KENT COUNTER. This is proved by the space given by leading London retailers. A good display of KENT BRUSHES results in substantial sales. Popular prices and attractive lines are available in all kinds of toilet brushes.

3 BUYING FROM KENTS means you are buying from the **ACTUAL MANUFACTURERS** and giving your customers the advantages of the best in the brush world. KENT goods add prestige to any window or counter display.

4 KENT toilet novelties, attractive and exclusive, are protected by patents and guarantee you substantial profits.

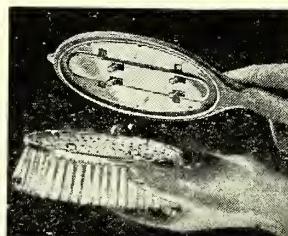
Write for illustrated catalogue with details of generous trade discounts. Attractive packs and show matter. It pays to visit Kent's showroom.

G. B. KENT & SONS LTD.

75 FARRINGDON RD., LONDON, E.C.I

Telephone: Holborn 5066-7-8
Telegrams: Tricho London.

The KENT-COSBY
Hygienic Refillable Hairbrush



The BEATSON, CLARK RANGE



This series is now available in 1, 2, 3, 4, 6, 8, 12 and 16 oz. sizes with either Cork Mouth or Screw Neck.

From the illustration it will be seen that the shape of these bottles is a distinctive one and a further point is that the ribbing on these bottles does not project, but is let into the body of the bottles. It will be seen also, that the ribbing stops short both at the foot and the head of the panel leaving a small plain border. These various points give an indication of quality to the users of the bottle which is naturally associated with its contents.

RIBBED FLATS

BEATSON, CLARK & COMPANY LIMITED
CHEMICAL AND MEDICAL GLASS MANUFACTURERS
ROtherham, Yorks.

ESTABLISHED 1751



B.C. 16

5 WAYS TO A WOMAN'S PURSE

The TOWN TALK

The famous "Town Talk" Liquid Silver Polish, Silver Plate Cloth, Liquid Pewter Polish, Chromium Plate Cloth, and Cut Glass Cloth, afford you five ways to a woman's purse. They are consistently advertised in women's newspapers and journals, and their qualities make them quick-selling, repeat-order lines.

Push the "Town Talk" 5, they yield a good profit and bring customers into your shop.

ORDER DIRECT OR FROM—

MANCHESTER :

D. Mawdsley & Co.
James Woolley Sons & Co., Ltd.

LEEDS :

Goodall, Backhouse & Co., Ltd.
E. H. Butler & Son.

LONDON :

Brooks & Warburton, Ltd.
May, Roberts & Co., Ltd.

LIVERPOOL :

Ayrton, Saunders & Co.
Ltd.

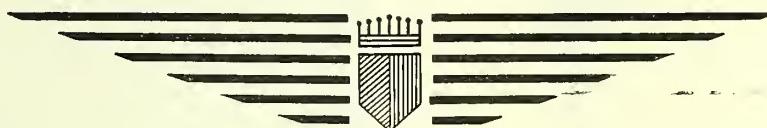
THE TOWN TALK POLISH CO., MANCHESTER, 10

IS IT more profit?

What is the reason for the fact that every month sees more chemists instal modern National Cash Registers? Is it MORE PROFIT . . . or some other great advantage? Unless you investigate you will never know! Act NOW—your profit is at stake. Full details await your request.

THE NATIONAL CASH REGISTER CO. LTD.
206/216 Marylebone Road, London, N.W.1
Telephone: Paddington 7070 (15 lines)





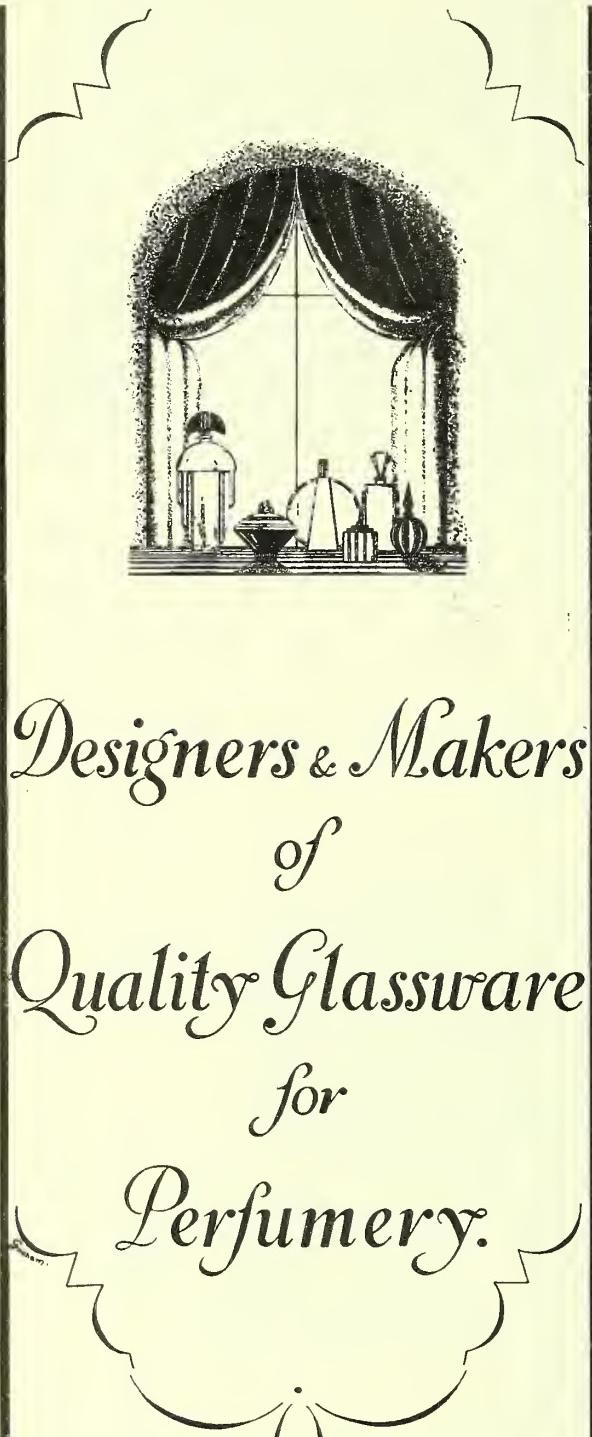
Coronation Year will be hall marked on the memories of the youngest and oldest members of this generation. We respectfully offer our loyal good wishes for a successful and prosperous reign to Their Gracious Majesties King George VI and Queen Elizabeth.

1937 is a vintage year for the House of Maw. Our co-ordinated merchandise policy is still further developed.

We hope to be still more successful in giving the finest possible specialised Sundries Service throughout Great Britain and the Dominions Overseas.

Expert attention is given to the packaging, branding and pricing of our wares. We try to offer ultra-modern sales promotion matter and honest policies. Good service and cordial relations with our customers are other constant endeavours.

We offer you loyal service in 1937.



*Designers & Makers
of
Quality Glassware
for
Perfumery.*

ESTABLISHED 1828

WOOD BROS. GLASS CO.
LIMITED
BARNESLEY ENGLAND

Glass Bottles
MAKERS OF HAND OR MACHINE MADE
MEDICALS FLATS, PANELS
POISONS and other shapes
Plain or Screw Cap

Special quotations to Manufacturers and Packers of Proprietaries

SAXTON GLYNNE BOTTLE CO. LTD.
FOUNTAIN GLASS WORKS, LIVERSEDGE, YORKS.

TAPERED, PYRAMID, DOMED AND
FLANGE **CORKS**
COMPOSITION AND BAKELITE
STOPPERS

THE MOST COMPETITIVE MANUFACTURERS IN
THIS COUNTRY

MUNDET CORK PRODUCTS, LTD.
12/18 ABBEY ST., TOWER BRIDGE ROAD, S.E.1

Telegrams :
MUNDETCOMP, BERM, LONDON

Telephone :
HOP 2043-4-5

WAGNER'S DRY BOTTLE CAPS
BEST IN QUALITY & APPEARANCE
PROMPT DELIVERIES

Self-Fixing

R. V. WAGNER

33 BROOKE ST., LONDON, E.C.1 Tel. Holborn 5090

Streptocide

(p. aminobenzenesulphonamide Evans)

For oral administration in haemolytic streptococcal infections.

Further clinical experience has shown that Streptocide can be given with safety in a larger dosage than was, at first, considered advisable. In view of this, it is now available in tablets of 0.5 grm. ($7\frac{1}{2}$ grains approx.) in addition to the original weight of $3\frac{3}{4}$ grains.

DOSAGE.—For treatment. Two or three (0.5 grm.) tablets three times a day.**For prophylaxis.** One or two (0.5 grm.) tablets two or three times a day.

Reduction in price. Increased production has made possible a material reduction in price, as detailed below.

	0.5 grm. ($7\frac{1}{2}$ grains approx.)	0.25 grm. ($3\frac{3}{4}$ grains approx.)
In bottles of 25 tablets ..	3/3	2/6
," 100 ,," ..	11/3	8/6
," 250 ,," ..	27/-	20/-

Please indicate the strength desired when prescribing.

Evans Sons Lescher & Webb Ltd.

LIVERPOOL and LONDON

TOOGOOD'S

(NO. 6368)

DROPPING BOTTLES

ENGLISH MADE.

SUPER QUALITY.

AMBER GLASS.

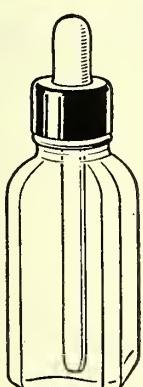
FITTED BROWN BAKELITE CAP,

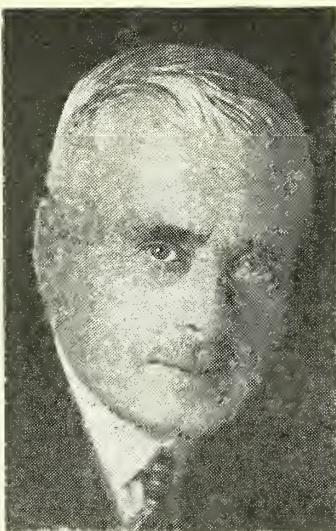
BROWN TEAT AND GLASS TUBE.

SUPPLIED WITH OR WITHOUT BOXES.

FULL PARTICULARS FROM

WILLIAM TOOGOOD LIMITED
77 SOUTHWARK STREET, LONDON, S.E.1





WILFRID HILL, Managing Director,
The County Perfumery Company

Wilfrid Hill says

TRADE MESSAGE No.13

Every Business Man is his own Chancellor

Every man in charge of a business is a "Chancellor of the Exchequer." He must carefully arrange his budget for each financial year. He has certain commitments and trading expenses and it is his job to see that he has a dependable source of revenue which will meet these expenses, allow for Income and other Taxes, and still leave a reasonable margin of profit. Unquestionably, a dependable revenue can come only from a dependable product—one which gives the public confidence and complete satisfaction. That the public have confidence in the dependability of BRYLCREEM is proved conclusively by ever increasing sales.

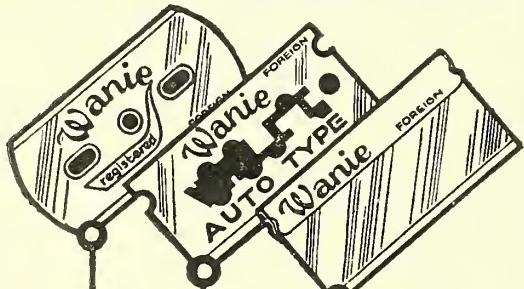
BRYLCREEM

dominates the market

The County Perfumery Co., North Circular Road, West Twyford, London, N.W.10

WANIE

The Profit Raiser Blades



A range of Razor Blades that consistently raise your profits.

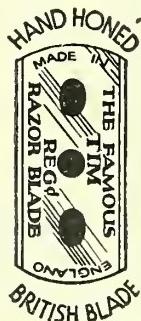
8/- PER GROSS

9/- 100

Free samples await your request.
Wholesalers are invited to write for Trade Terms.

3'9 PER GROSS TIM

LONDON & PROVINCIAL FACTORS Ltd.
146 Theobalds Road, London, W.C.I
and at 16 Withy Grove, Manchester.



THE
SALTER
"COMPACT"

PERSONAL
WEIGHING
MACHINE

. . . will earn you a steady revenue from passers by. Its 12" white dial, plated rim and glass cover, and finished Vitreous or special White Enamel give it a neat appearance. Occupies only 13" x 23" of floor space, no upkeep costs, every penny taken is 100% profit. Send for full details.



Geo. Salter & Co. Ltd.
Dept. No. C.4
WEST BROMWICH

Beauty DIXOR Preparations

Velouty de Dixor

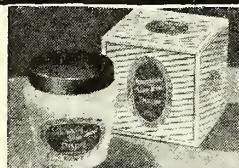
The original combined powder cream
 Tubes per Pots per doz.
 *No. 1...4d...3/- Handbag (Unbreakable) 1/3...10/-
 *No. 2...6d...4/- Glass 2/9...21/-
 No. 3...1/- ...7/- De Luxe (Unbreakable) 4/6...36/-
 No. 4...2/-...14/- Made in 5 shades:—White, Ivory,
 No. 5...3/-...22/- Natural, Ochre, Soleil Doré (Sungold)
 * Not less than 1 doz. of each shade supplied.



Nourishing Skin Food

Restores any deficiency of natural skin oils
 The newest of skin foods; the formula being the result of recent research into skin conditions. Gentle but positive in action and harmless to the most delicate skin.

4 oz. Opal Pots, 2/9. 21/- per doz.



Cleansing Cold Cream

Another new product embodying the latest discoveries in cosmetic chemistry. Effectively cleans the pores of dirt and make-up without drying the skin, enlarging the pores or inducing hair growth.

6 oz. Opal Pots, 2/9. 21/- per doz.



Gradium de Dixor

Bottles	Handbag size	per doz.
"	Small	2/6
"	Large	5/6

Pots	Skin tonic	per doz.
"	Fancy Glass or Opal	2/9
"	De Luxe (Unbreakable)	4/6

per doz.

6d. ... 3/-

1/- ... 7/-

2/- ... 14/-

3/- ... 22/-

2/9 ... 21/-

4/6 ... 36/-

Dixodor

Checks excessive perspiration
 Bottles... 1/- ... 8/- per doz.

Eau Dixor

A liquid depilatory, for use on the arms and legs.
 Bottles Small ... 1/- ... 8/- per doz.
 Large ... 3/6 ... 27/-

" Minimum Retail and Wholesale Prices P.A.T.A. "

DIXOR Ltd., ST. LEONARDS WORKS, MORTLAKE, S.W. 14

INSECT BITES!

In all cases of Insect
Bites you cannot do
better than recommend

CALVERT'S **CARBOLIC** Ointment

The old and tried remedy

In Tins—1/3 (11/3 per dozen)

SPECIAL OFFER

On all orders to the value of 27/- 5% & 2½%
 " " " " " " " " £4 10/- & 2½%

F. C. CALVERT & Co. Ltd.
MANCHESTER

THE MOST FASTIDIOUS CUSTOMER
WILL APPRECIATE THE
EXTRA QUALITY OF
THE SUPER

'DAWN' FACE CLOTHS

No. JF 11. 12" x 12"

In assorted colours or
all white. Each cloth in
transparent wrapper and
packed in attractive display
cartons containing
one dozen.

RETAILS AT 9D EACH

"DAWN" SUPER FACE
CLOTHS are also ob-
tainable in a larger size
for use in the bath

No. JF 11A. 14" x 14"

In assorted colours or
all white. Packed
singly in transparent
wrappers



105/107 Princess St., MANCHESTER

London Agent : G. H. Bolton, 28 Falcon Square, Aldersgate St., E.C.I

BOTTLES

OF
QUALITY

For over 80 years we have been making bottles of every description to meet the needs of the Trade. We are in a favourable position to produce all types—machine made—at highly competitive prices and of a quality second to none.

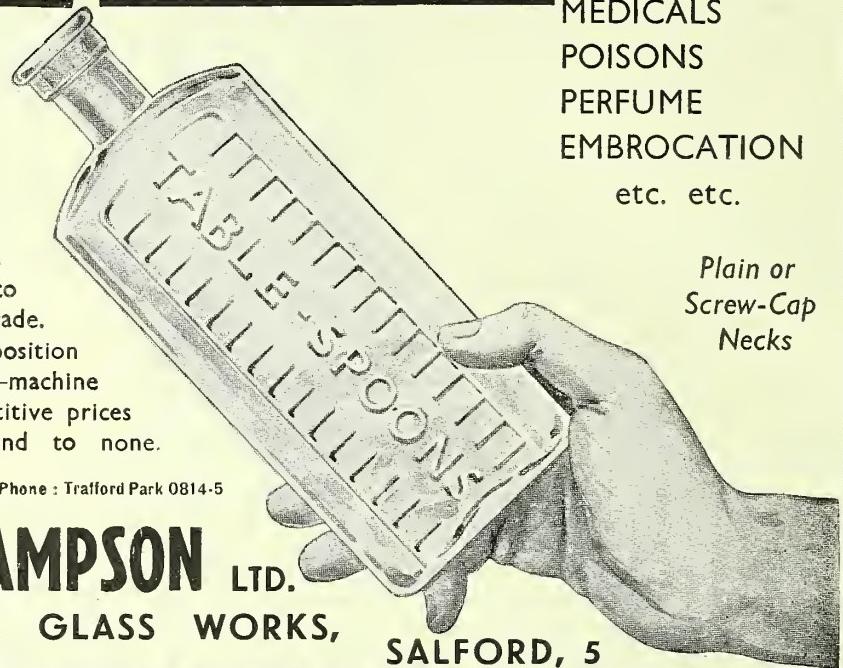
We shall welcome your enquiries. *Phone : Trafford Park 0814-5

FREDK. HAMPSON LTD.
PERSEVERANCE GLASS WORKS,

BRITISH MADE

MEDICALS
POISONS
PERFUME
EMBROCATION
etc. etc.

Plain or
Screw-Cap
Necks



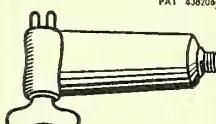
Salford, 5

BRITISH MADE

METAL SMALLWARES

of every description

ROLATUBE KEY
PAT. 438206



NO MESS—NO WASTE

Can be used hundreds of times

Supplied stamped with your name and address as a permanent advertisement

Particulars on application

SEND FOR CATALOGUE

L. ELBOZ & SON



RAYON D'OR WORKS
94 FERNDENE ROAD,
LONDON, S.E.24. TEL. BRIXTON 3456

Make your own SHOWCARDS,

PRICE TICKETS, &c.

with the

'UNO'
PEN STENCIL
OUTFIT

Send for full particulars of this inexpensive but useful outfit

A. WEST & PARTNERS
91 PETTY FRANCE, WESTMINSTER, S.W.1



Armstrong's
TAPER  CORKS

ARMSTRONG CORK CO. LTD.
KINGSBURY, LONDON, N.W.9.



Good Wholesalers are now stocking the new attractive 1-Doz. Display Packs



APOLOGY —second hand!

You've probably met this young lady in our advertising, and we've asked her to apologise to our chemist friends for the way we've delayed some of them in our deliveries just lately—but, honestly, we've been pulled out of the place, due to our national advertising campaign released a few weeks ago. All the mothers are wanting to give babies natural curls with 'Curly Top,' and they all seem to be doing it at the same time, besides giving their own hair natural waves with Vosemar. Anyhow, we've practically caught up now with deliveries

● ARE YOU BUYING

Lip Sticks, Eyebrow Pencils, Nail Polishes, Styptic Pencils, Smelling Salts, Perfumes, Brilliantines, and all Cosmetic Goods? If so write:

COLLINS, REYNOLDS & CO., LTD.
4 SUMMER HILL TERRACE, BIRMINGHAM, 1
Wholesale and Export only.

WORLD'S HEADQUARTERS FOR **SPONGES**

INTERNATIONAL SPONGE IMPORTERS, LIMITED
CRESSWELL BROS. BRANCH,
18 and 19 Red Lion Square, LONDON, W.C.
CHEAPEST HOUSE for Sponges & Chamois Leathers
WRITE FOR ILLUSTRATED PRICE LIST.

SIMPSONS

SHAVING Grand Prix
AND GOLD MEDAL BRUSHES
“The Best for All Times”

Supplies through wholesaler or representative will call.

SIMPSONS

53 CLAPHAM HIGH STREET, LONDON, S.W.4
Phone: MAC 5086. Cables: SIMIEBRUSH, LONDON



*Adelaide Grey. SPEAKS TO
5,367,000 WOMEN*

through

WEEK ADVERTISEMENTS

Not once, but week by week, month by month, for a year on end. Big business is created . . . in which you can share, profitably. Write for details, display stands, and other link-ups, or ask for my representative to call.

ADELAIDE GREY

27, OLD BOND STREET, LONDON, W.1.

SUTTLEY & SILVERLOCK

(Branch of KELLY'S DIRECTORIES, LTD.)
CHEMISTS' PRINTERS

ANDOVER, HANTS.

COMPLY WITH
LATEST
ACTS

IDEAL FOR
PACKED
DRUGS

FOR COUNTER
USE AND
POWDER DRUGS

DANGEROUS
DRUGS
AND
POISON
REGISTERS

WHITE DEMY
AND
KRAFT WRAPPING
PAPERS

STATIONERY
ADVERTISING
BLOTTERS

SPECIMENS
SENT
BY RETURN
POST

SAMPLES
ON
REQUEST

PARCHMENT
BAGS
AND
SEED
ENVELOPES

SKILLETS
2 oz. to 16 oz.
PLAIN OR PRINTED

WE HOLD A LARGE AND VARIED ASSORTMENT
OF STOCK LABELS FOR YOUR PROPRIETARY LINES

Send your enquiries to Label Dept.,
SUTTLEY & SILVERLOCK, ANDOVER, HANTS.

For a

Modern
Dispensary ~

CONSULT

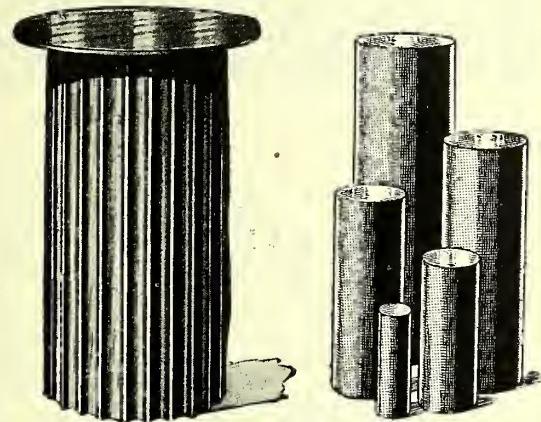
**Philip Josephs
& Sons Ltd.**

Pharmacy fitters
for over a century

Telephone: Clerkenwell 4111/2

90-92 ST. JOHN STREET, CLERKENWELL, LONDON, E.C. 1

SEND FOR OUR NEW SPRING LIST of DISPLAY FITTINGS, No. CD 1742

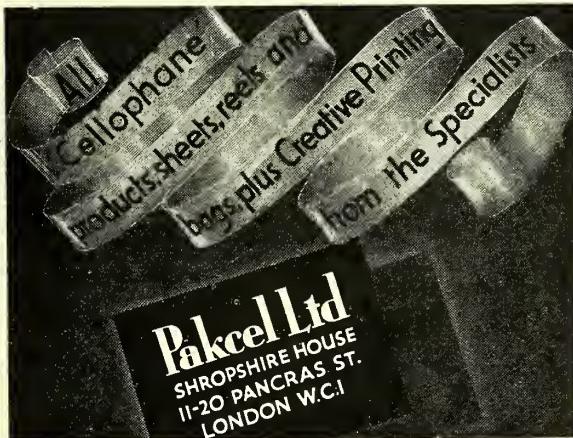


No. CDF 5771 Very attractive Display Tables, constructed of compressed millboard and covered imitation Walnut Paper. The pillar has concave flutes and is extremely modern in appearance. Each 9 ins. high with 10 in. top 4/- 15 ins. high with 10 in. top 5/- 24 ins. high with 12 in. top 6/9

No. CDF 5758 Useful and Attractive Set of Display Cylinders, covered heavy grained Gilt paper. Comprising 1—36 ins. high x 12 ins. wide 1—30 ins. high x 10 ins. wide 1—24 ins. high x 8 ins. wide 1—18 ins. high x 6 ins. wide 1—12 ins. high x 4 ins. wide 22/6 the set

DUDLEY & COMPANY, LTD.
451, HOLLOWAY ROAD, LONDON, N.7

City Showrooms—65 Fore Street, E.C.2



Practical Books for Everyday use

PHARMACEUTICAL FORMULAS (P.F., Vol. I)

The tenth edition of this, the most complete pharmaceutical formulae in the English language, is devoted to the official and semi-official preparations of practically every country in the world. This volume (published 1929) contains 1146 pages. 15/6 post free.

PHARMACEUTICAL FORMULAS (P.F., Vol. II)

Published 1934. Supplementary to Vol. I, and known as "The Chemist's Recipe Book." Contains formulae for adhesives, beverages, cleaning materials, culinary and household requisites, horticultural and agricultural preparations, inks, lozenges, perfumes, photographic preparations, polishes, soaps, toilet articles, varnishes, veterinary preparations, etc., including numerous descriptions of practical methods employed in their manufacture, and other information of use to pharmacists and manufacturers. Over 1000 pages. 15/6 post free.

No business library is complete without these two time saving and money making books. Sent by return of post on receipt of remittance to The Publisher

THE CHEMIST & DRUGGIST, 28 Essex St., London, W.C.2

Branch Offices : 4 Cannon St., Manchester 3; 54 Foster's Buildings, High St., Sheffield; 19 Waterloo St., Glasgow; and at (P.F.S.) Paris, France; Auckland, N.Z.; Melbourne and Sydney, Australia

BEECHAMS PILLS

HIGH RECORD IN PROFIT

LARGER DISTRIBUTION

MR. PHILIP HILL'S SPEECH

The NINTH ORDINARY GENERAL MEETING of Beechams Pills, Limited, was held on Friday last at the Hotel Victoria, Northumberland Avenue, W.C.

Mr. PHILIP E. HILL (chairman of the company), who presided, said:—Ladies and gentlemen, Is it agreed that the report and accounts be taken as read? (Agreed.) The profits, amounting to £541,000 odd, show an increase over those of last year of £115,000 and establish a new record for the company. Again, this result is attributable to the development of our home trade, and once more we have every reason to believe that we shall experience a further expansion during the coming year.

DEVELOPMENT OF OVERSEAS BUSINESS

As stated at our last annual meeting, we are strenuously attacking the development of our overseas business, and during the year representatives of the company have visited Australia, New Zealand, India, U.S.A., Canada, Egypt, Palestine, Colombo, Cuba, West Indies, and the Bahamas. It is, of course, much too early to talk of revenue from this source, but the views I expressed with regard to the possibilities of this when I last had the pleasure of meeting you have been considerably strengthened by what I myself have seen, and from reports received, and it is possible that the directors may consider it desirable to form an overseas company. In such an event the shareholders in this company will be given the opportunity, if they so desire, of providing any new capital that may be required for this purpose.

Our allocation for general advertising and business propaganda during the year is the largest in the history of the company, but what is more to the point is that it has been well spent—as is evidenced by the large increase in the company's profits.

THE BEECHAM LABORATORY

I have always held the view that in a business such as ours the best reserve we can have is in our advertising and business propaganda. In this direction we have this year broken new ground. We are building for the Royal Northern Hospital the Beecham Laboratory—and in addition have agreed to contribute annually to the cost of its upkeep. In consideration of this, their pharmacist, Mr. Herbert Skinner, a past president of the Pharmaceutical Society, has agreed continuously to review the formulæ of our various proprietary medicines and bring them into line with the latest discoveries of medical research. Apart altogether from assisting a very deserving institution, I think we have taken a very definitive step forward in endeavouring to place proprietary articles and medicines on a higher plane with, I am sure, beneficial results to all concerned.

Your directors are pleased to be able to recommend payment of an increased dividend and distribution of a larger bonus. For this I think we owe a very deep debt of gratitude to our working directors and to our managers and staff. I think it is clearly shown that the consideration we have given and are giving them is producing very satisfactory results and will encourage them to do even better in the future.

TAXATION RESERVE

You will see that we have this year found a new home for money. I refer to the allocation of £50,000 to special taxation reserve. We understand that no additional tax will be payable for the past year and you will see, therefore, that the £50,000 we have allocated to the special reserve is in respect of the possible liability for next year ending March 31, 1938. We think that this amount is far in excess of what we shall be called upon to pay, but of course it depends upon the amount of profits we are able to earn. Until we have had a chance of seeing the formula of the new Budgetary pill, it is, of course, impossible to form any definite conclusions about it, but I am sure we shall all be very happy to contribute our share towards a matter of such vital importance to our nation.

In calmer moments one can only sympathise with the Chancellor in a very difficult and unpleasant task and hope his financial formula, when produced, will be as popular as that of Beechams Pills—which, after a life of nearly 100 years, have proved themselves to be worth more than "A guinea a box." (Laughter and applause.)

The CHAIRMAN concluded by moving the adoption of the report and accounts, which was seconded by MR. LOUIS NICHOLAS (vice-chairman), and carried unanimously.

The proceedings terminated with a hearty vote of thanks to the chairman and directors, and to the staffs of the various companies.

Glass Bottles for TOILET & PERFUMERY

Distinctive Bottles
Promote Sales.

Pendred & Heim, 40 Trinity Sq., E.C.3

TELEPHONE: ROYAL 3659-4042

ENGLISH OIL OF CAMOMILE

(OL. ANTHEMIDIS)

From Plants Grown on My Own Farm
Also ENGLISH CAMOMILE FLOWERS
(ANTHEMIS NOBILIS)
LARGEST GROWER IN ENGLAND

R. W. B. STARKE
THE CHESTNUTS FARM, EYE, SUFFOLK

GLYCERINE

The Purest Quality on the Market. Produced by
THOMAS HEDLEY & CO. LTD., TRAFFORD PARK
Chemically Pure B.P. Industrial White. Pale Straw.
Sole Distributors:

FREDK. BOEHM LTD., 17 Jewry Street, London, E.C.3.
and 140 West George Street, Glasgow.

For all grades of Olive Oil write for

samples and prices to

CRODA LTD.
GOOLE, YORKS

ALL GRADES

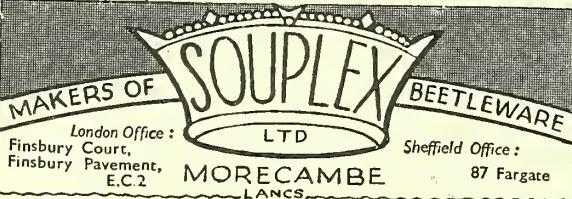
PHONE: PAWLIFFE 40-62

ORANS, CRODA, GOOLE

F. MAUND & E. BERG (SHOWCASES) Ltd.

SHOPFITTERS & SHOPFRONT BUILDERS
175/9 OLD STREET, LONDON, E.C.1
Telephone: Clerkenwell 1782/3

are offering for sale, at competitive prices,
an extensive and exceptionally full range of
Chemist's Fittings, Second-hand and New.



CONTRACEPTIVES

We have been supplying Contraceptives of all kinds now for over 30 years and our well-known Safeguard & Empire Brands are still as popular as ever. THESE FACTS SPEAK FOR THEMSELVES and prove the confidence we have secured which is the fundamental principle in selling these goods.

All our Brands are guaranteed to be of the finest manufacture.
Write for complete Price List and Samples.
BURGE, WARREN & RIDGLEY, Ltd.
91-92 Great Saffron Hill, London, E.C.1

Eau de Cologne . . . Lavender Water

ALL TOILET PREPARATIONS

Low, Son & Haydon, Limited

, 5 GT. QUEEN ST., LONDON, W.C.2
TELEPHONE: HOLBORN 4007 EST. 1790

COURT
PERFUMERS

HIGHLY PROFITABLE

Is "Plastrodine" prominently displayed on your counter? If not you are missing the business which constant advertising to the public is creating. "Plastrodine" is the modern form of Iodine. On attractive display cards from your wholesaler.

Made by:
DUKE PHARMACEUTICAL CO., Duke St., Liverpool



RECOGNISED OPTICAL QUALIFICATION

The next examination for the Fellowship Examination of the National Association of Opticians will be held at Birmingham on August 3rd, 4th and 5th, 1937.

REVISED SYLLABUS, &c.

SECRETARY, N.A.O., 130 Princes Rd., Liverpool 8

OPTICAL TUITION

FOR THE
S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

Particulars:—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.B.,
50 HIGH STREET, BARNET, LONDON, N.



THE CHEMIST'S MONOPOLY—

P.P.T. Py-Shan Points Tea

SECURES YOU REGULAR CUSTOMERS

5d. per lb. PROFIT, or 7d. per lb. when cash

accompanies order

THOS. CHRISTY & CO. LTD., 4-12 Old Swan Lane, E.C.4

Important to Non-Subscribers:—

You should of course read this journal every week. It gives latest Drug Trade News presented in an interesting and unbiased fashion. The subscription is a nominal one—only 20/- per annum. Send remittance for this amount to the PUBLISHER, 28 ESSEX STREET, STRAND, LONDON, W.C.2, and ensure a weekly copy for the next 12 months, together with a copy of the Chemist and Druggist Diary and Year-Book published at the end of December next.

POTTER'S

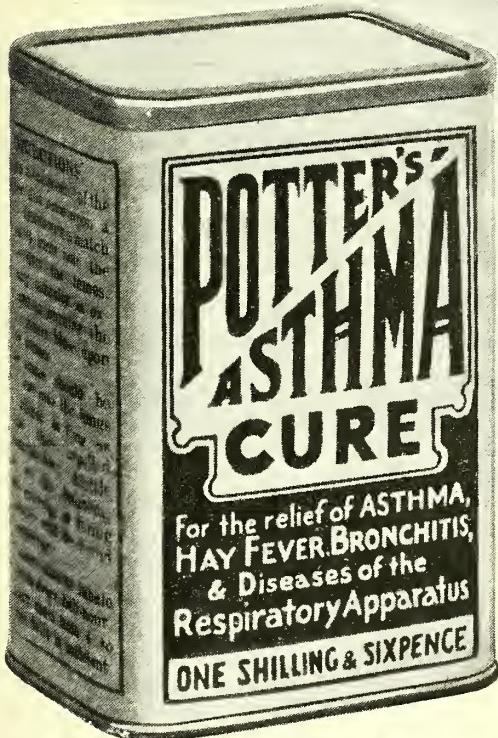
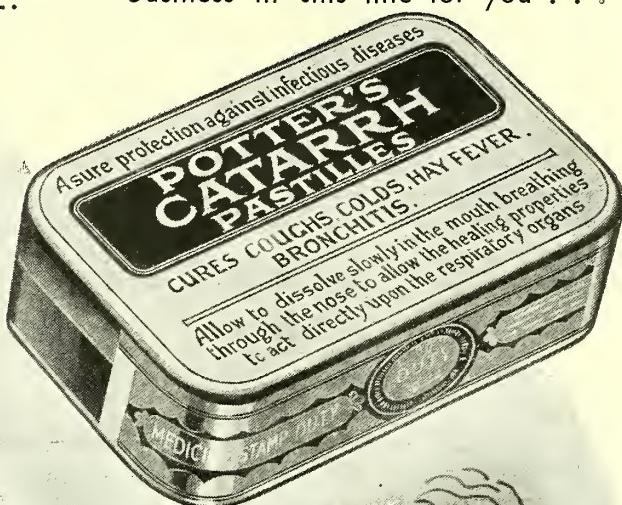
Catarrh Pastilles

P · A · T · A · Is. 3d.
PER DOZ. · 11s. 0d.
BOXES · $\frac{1}{2}$ DOZ.



Famous Remedies

of outstanding efficacy and merit. They have captured the approval of the Public. There is good business in this line for you . . .



Asthma Cure

Consistently advertised in all the great national newspapers thus ensuring a big demand.

RETAIL 1/6

WHOLESALE 14/- per doz.

POTTER & CLARKE LTD

60-64 ARTILLERY LANE · LONDON : E·1 · Phone · BISHOPSGATE 4761 (6 lines) Grams: "Horehound, Phone, London"
77 DANTZIC STREET · MANCHESTER · 4 · Phone · BLACKLIARS 8734 Grams: "Horehound, Manchester"

SHOPS ACTS 1912 - 1936

*This Shop is
CLOSED
for to-day
except
for the sale of
MEDICINES and
MEDICAL & SURGICAL
APPLIANCES*

CARD 'B'

The cards are printed on stout board 14" x 11" and are corded for hanging purposes.

1/- each

2 for 1/9 . . . 4 for 3/6

*Supplies are NOW READY
and should be
ordered forthwith*

*from The Chemist & Druggist
28 Essex St., LONDON, W.C.2*

SHOPS ACTS, 1912-1936

***This New Legislation came into
full force on May 1st, 1937***

To comply with legal requirements Cards must be exhibited in the interior and exterior of the shop when serving customers after hours on week-days, early closing days and on Sundays.

Card 'A'

must be exhibited when open on Sundays and

Card 'B'

for other days in the week

The various enactments affecting the Drug Trade are detailed on the reverse side of the card.

You will avoid trouble and a good deal of worry by ensuring that the provisions of this new legislation are complied with.

SHOPS (SUNDAY TRADING RESTRICTION) ACT, 1936

**THIS SHOP IS OPEN ON SUNDAY
FOR THE SALE OF
MEDICINES & MEDICAL AND
SURGICAL APPLIANCES
FROM**

CARD 'A'**ORDER FORM**

To The Publisher . . . The Chemist and Druggist, 28 Essex St., Strand, London, W.C.2.

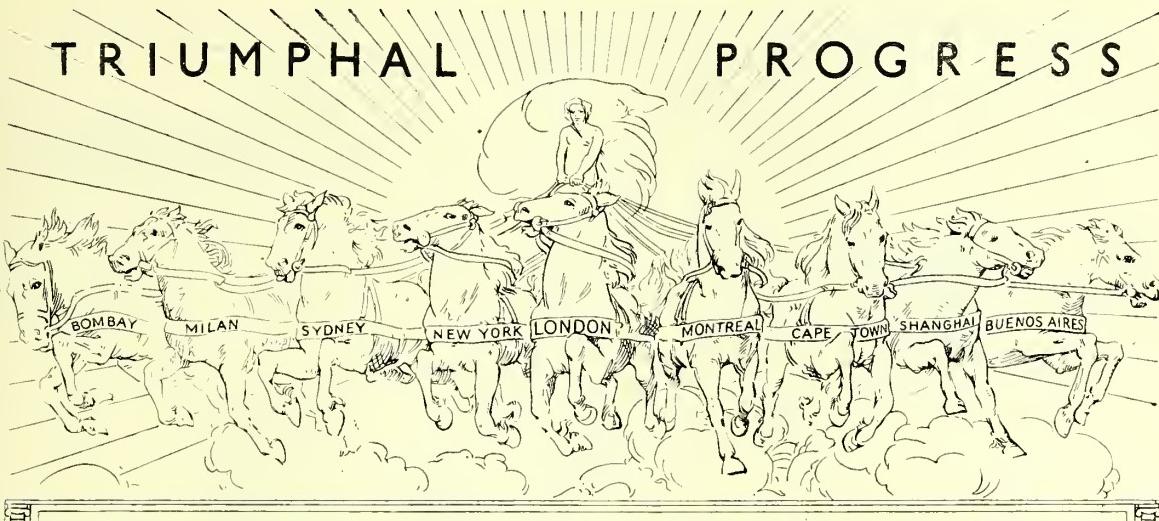
Please forward me post free SHOPS ACTS CARDS (A),

..... " " " (B),

for which I enclose value

NAME _____

ADDRESS _____



BURROUGHS WELLCOME & CO.

TRADE MARK 'RYZAMIN-B' BRAND

RICE POLISHINGS CONCENTRATE

Presents Vitamin B₁ in small bulk.
Convenient to administer and particularly
suitable for introduction to schools,
clinics, hospitals, etc.

Measuring spoon with each tube of 'Ryzamin-B'

TRADE MARK 'STYPVEN' BRAND

RUSSELL VIPER VENOM

(Not for injection)

The most effective haemostatic.
Invaluable to medical men and dentists.

Accompanying each bottle of 'STYPVEN' is an ampoule of solvent consisting of sterile distilled water with 0·5 per cent. phenol.

TRADE MARK 'TABLOID' BRAND 'EMPIRIN' TRADE MARK COMPOUND

The analgesic and antipyretic product with a remarkable freedom from undesirable effects. Presents 'Empirin' Acetylsalicylic Acid with phenacetin and caffeine in a high state of purity. Produces effects which gratify the physician and satisfy the patient.

TRADE MARK 'WELLCOME' BRAND

INSULIN

Made with Crystalline Insulin, the Insulin of 100 per cent. purity. The first commercial product to be so prepared.

TRADE MARK 'HYPOLOID' BRAND

'INFUNDIN' MARK

PITUITARY (POSTERIOR LOBE) EXTRACT

The stable pituitary (posterior lobe) extract. Presented in precise quantities in 'Hypoloid' ampoules.

For prices, see BURROUGHS WELLCOME & Co. PRICE LIST

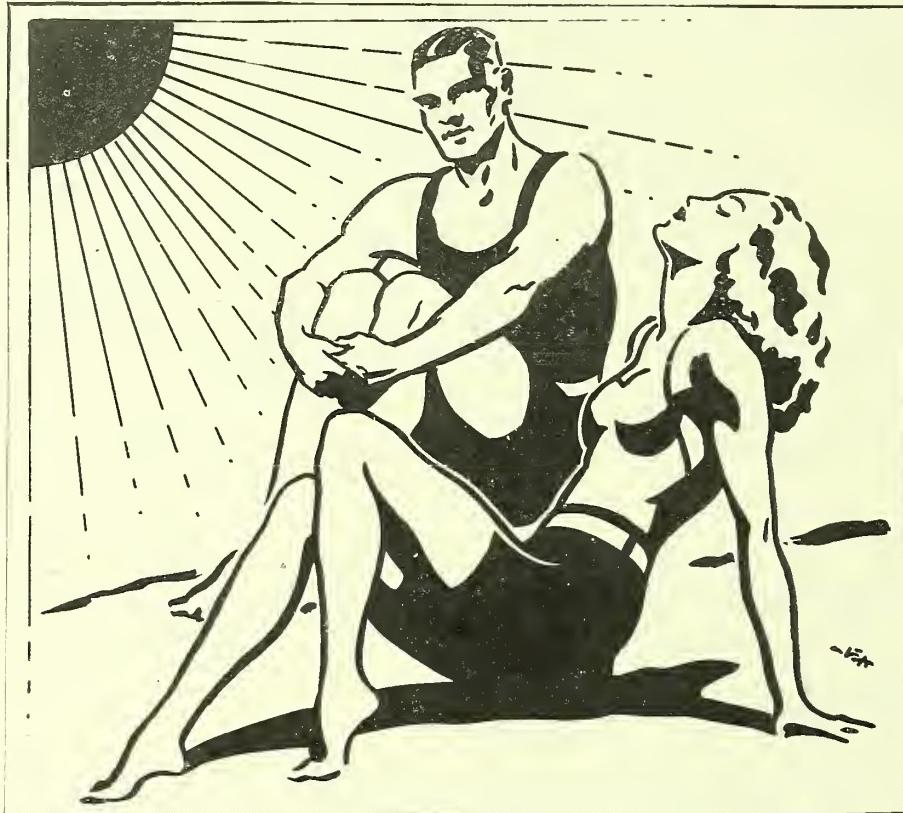
G 1998

COPYRIGHT

SUPREME QUALITY IS BURROUGHS WELLCOME QUALITY

WARRICK'S

Sun PRODUCTS



SUN-TAN CREAM

Vanishing Cream base. A delight!

GLASS POTS 6/- AND 12/- PER
DOZEN

SUNBURN OIL

A coloured oil with rapid sale.

2 AND 4 oz. BOTTLES 4/- AND 8/-
PER DOZEN

SUN-TAN LOTION

Non-oily. Produces a natural tan.

REP. 4 oz. BOTTLES 9/4 PER DOZEN

CALAMINE LOTION

(COLLOIDAL)

A wonderfully soothing lotion!

REP. 4 oz. BOTTLES 9/6 PER DOZEN

COMPELLING SHOW-MATERIAL IS AVAILABLE

WARRICK BROS. LTD.
NILE STREET ————— LONDON, N.

Telephone : Clerkenwell 2452 (two lines)

Telegrams : Warrickers, Nordo-London



The CHEMIST AND DRUGGIST

The Business Newspaper for all Sections of the Drug, Pharmaceutical, Chemical, Cosmetic, Perfumery and Associated Industries

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Strand, London"

Telephone: Central 6565 (10 lines)

BRANCH OFFICES

4 CANNON STREET, MANCHESTER (TEL.: BLACKFRIARS 3052)
54 FOSTER'S BUILDINGS, HIGH STREET, SHEFFIELD (TEL.: 22458)
19 WATERLOO STREET, GLASGOW (TEL.: CENTRAL 2329)
111 NEW STREET, BIRMINGHAM (TEL.: MIDLAND 2921)

19 QUEEN STREET, MELBOURNE, C.I. AUSTRALIA
55A SHORTLAND STREET, AUCKLAND, NEW ZEALAND
155 AVENUE DE WAGRAM, PARIS, XVII^e (TEL.: ETOILE 19-79)
PLANTAGE FRANSCHELAAN 32 AMSTERDAM-C. HOLLAND

VOL. 126. NO. 2988

CONTENTS

MAY 15, 1937

PAGE	PAGE	PAGE	PAGE
Anointing Oil 565	Disinfectants and Germicides 566	Irish Notes 562	Proprietary Articles 559
Books, New 575	Editorial Articles:—	Items in Parliament 566	Trade Association ... 559
Business Changes 568	This Retail Election ... 571	Legal Reports 564	Recent Wills 569
Coming Events 568	Trade in South Africa 572	Marriages 569	Retrospect 582
Company News 564	Chain Store "Octopus" 572	News of the Week 559	Scottish Notes 561
Correspondence:—	Imperial News:—	Perfume Plants of the Upper Ubangi 565	Seen During a Stroll ... 575
Letters 581	South Africa 563	Personalities 569	Topical Reflections 562
Dispensing Notes 582	India 563	Pharmaceutical Society of Great Britain:—	Trade Marks 568
Miscellaneous Inquiries 582	New Zealand 563	Annual Report 576	Trade Notes 568
Council Candidates 573	Information Department 570		Trade Report 578
Deaths 569			Window Display 567

News of the Week

Key Industry Exemption Application

The Board of Trade has received an application under Section 10 (5) of the Finance Act, 1926, for an order exempting HYDROXY ETHYL CELLULOSE from liability to key industry duty. Any communications should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, on or before June 5, 1937.

National Health Insurance

The Minister of Health has issued as Statutory Rules and Orders 1937, No. 408, the National Health Insurance (Insurance Committees) Regulations 1937. Copies may be obtained from H.M. Stationery Office, price 8d.

Proprietary Articles Trade Association

We have been notified by the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1, of the following alterations to the Protected List. The retail and wholesale prices quoted are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A. *Additions:* Thos. Kerfoot & Co., Ltd.—Neemin brand anaemia tablets, 2s. 6d., 20s. dozen, less 5 per cent. cash before 15th month following date of invoice. Oystrax, Ltd. (distributors, James Woolley, Sons & Co., Ltd.)—Oystrax brand tonic, 3s. 6d., 31s. 6d. dozen. *Deletions:* Kitano. Spicers' "A.1" pure toilet roll and New Medico toilet roll.

Bath

The first dance of the newly formed Bath Pharmacy Students' Society was held at the Forum, Bath, recently. Mr. L. E. C. Baker and Mr. K. Light were joint M.C.s. Spot prizes were won by Miss I. Gulliver and Mr. W. Lower, Miss B. Wiltshire and Mr. H. Carey, Miss D. Garrod and Mr. J. Lane; an elimination dance prize went to Miss K. Norris and Mr. H. Stevens. The prizes were presented by Mrs. Wood (wife of the chemistry teacher at Bath Technical College). The organisation of the dance was carried out by Mr. W. W. Heseltine (president), Mr. R. Simpson (secretary), and the following committee: Messrs. D. Tuddenham, C. R. Packer, G. Smith, A. Stockton, and K. Light.

Carlisle

The annual general meeting of the East Cumberland Branch of the Pharmaceutical Society was held at the County Hotel, Carlisle, on April 19, Mr. J. W. Thompson in the chair. Officers for the year were elected as follows: *Chairman*, Mr. J. Sharp, Carlisle; *Vice-Chairman*, Mr. T. M. Ridley, Carlisle; *Secretary*, Mr. G. Lightfoot; *Treasurer*, Mr. J. L. Hall, Carlisle; *Committee*, Messrs. A. Holmes, T. M. Ridley, J. W. Thompson, Miss J. R. Ferguson, all of Carlisle, and Mr. A. Priestman, Penrith. A vote of thanks was accorded to Mr. J. W. Thompson for his valued services as chairman during the year. Mr. Sharp reported on the activities of the Education Committee, deplored the fact that from the area comprising Cumberland, Westmorland and S.W. Scotland, only seven candidates could be found for the proposed school in Carlisle

for the Preliminary Scientific examination. A proposal was carried that a resolution be submitted to the Society "That the present requirements for entrance into pharmacy, viz., matriculation standard, be modified." Following the meeting the party sat down to an excellent hot-pot supper. A collection taken on behalf of the Benevolent Fund realised £2 7s.

Exeter

A meeting of the Exeter and District Branch of the Pharmaceutical Society was held at Exeter on April 21, Mr. F. E. Battershill presiding. Professor F. H. Newman gave an address on "Radium and its Uses Applied to Medicine." After outlining its history, method of extraction and mode of disintegration, Dr. Newman explained that the medical utility of radium depended on the destructive action of the evolved gamma rays on living tissue and particularly on their property of attacking diseased cells more quickly than healthy cells. He described the use of the radium needle, tube, plaque and bomb, pointing out the application of each and emphasising the care and experience necessary to ensure complete elimination of a malignant growth without harm to neighbouring healthy tissue. The lecturer went on to explain the relation between gamma rays and x -rays. Mr. P. F. Rowsell (president, Devon and Exeter Cancer Trust), proposing a vote of thanks, stressed the importance of early advice and treatment.

Ipswich

The annual meeting of the Ipswich and District Branch of the Pharmaceutical Society was held on May 3, Mr. L. Piper presiding. The balance sheet recorded a small balance in hand. Officers elected for the ensuing year were:—Chairman, Mr. L. Piper (re-elected for a fifth term of office); Treasurer, Mr. F. W. Wiggin; Secretary, Mr. R. J. Stratton, 48 Sherrington Road, Ipswich; Assistant Secretary, Miss Bradford; Auditors, Messrs. Hay and Veale; Committee, Mrs. Russell Cook and Messrs. Hay, Veale and J. C. Wiggin. It was decided to send a letter of thanks to Mr. W. Ross Taylor, C.B.E., M.P., for his interest and help in the matter of the Report of the Select Committee on Medicine Stamp Duty. It was further decided to ask the St. John Ambulance Brigade to give a lecture to the Branch on air-raid precautions.

The annual meeting of the Ipswich and District Branch of the Photographic Dealers' Association took place at Ipswich on April 22. The chairman (Mr. C. E. Bell) gave a comprehensive report of the year's work; outlined the local scheme for the album of Coronation photographs to be presented to H.M. the King by the P.D.A.; and appealed to all local dealers to give the scheme their support. Officers elected were: Chairman, Mr. C. Emeny; Secretary, Mrs. V. A. Cook, 16 Upper Brook Street, Ipswich; Committee, Messrs. C. E. Bell, A. H. Croasdale, L. Piper and F. W. Wiggin. An address was given by Mr. Harold Brown, Westcliff (a member of the National Council), dealing in detail with the work of the Council and its many difficulties, and explaining its decision on the price of en-prints for the year. He was thanked by Messrs. J. C. Wiggin and C. E. Bell.

Leamington

The Warwickshire Branch of the National Pharmaceutical Union met at Leamington on May 6. The secretary reported on the result of dispatching Wembley agreement forms to members of the Branch and was instructed to send a further letter to those who had not yet returned the forms. The result of action taken in regard to the Report of the Select Committee on Medicine Stamp Duty was discussed and the activities of the secretary and members taking part in interviews with members of Parliament were approved. The Shops (Sunday Trading Restriction Act) was discussed and it was agreed to see how the Act worked before making any recommendations. N.P.U. supplements were submitted and discussed; also dangerous caustic preparations; doses on labels and directions as to dilution; the Shops Acts and the Chemists' Friends scheme.

Liverpool

Mr. Richard Clitherow chemist and druggist, is to contest the Abercromby ward in the forthcoming local election.

"Merely to break down another person's will and force him to buy is not salesmanship—it is an outrage," declared Mr. W. Duffy, chairman of the Liverpool Display Association,

at the final meeting of the season held recently. He spoke on the subject of display and salesmanship for the small retailer.

"Economy in the Hospital Dispensary" was the subject of a paper by Mr. H. Woodard (chairman) at the annual meeting of the Liverpool branch of the Guild of Public Pharmacists on May 4. The speaker described experiments by Rabinovitch on protamine suspensions of insulin in zinc; and discussed the presence of peroxides in ether. There were a number of simple preparations, he said, which could be made more cheaply in the dispensary than they could be bought, such as a solution of adrenalin, 1 in 1,000. Mr. Woodard described various ways in which economy might be effected in the preparation of ointments and in the use of turpentine substitute for turpentine, when it was to be used for cleaning purposes only. Edible arachis oil could be used also as an alternative for olive oil, but he did not suggest they should do any of these things without first obtaining the consent of their medical board. The Committee for the 1937-38 session was elected as follows: Miss D. M. Bentley, Miss E. Dobie, Messrs. Nixon, Whalley and Woodard.

London

At a recent meeting of the National Association of Women Pharmacists the following officers were elected: President, Miss E. B. Blundell (see note on p. 569); Vice-President and Secretary, Miss G. Hindes; Treasurer, Miss D. V. Head; Employment Secretary, Miss F. M. Harvey; Assistant Secretary, Miss M. E. H. Curry.

A course of three lectures on "The Chemistry of the Carotenoids and Vitamin A" will be given, under the auspices of the University of London, in the Chemistry Lecture Theatre of the Imperial College of Science and Technology, South Kensington, S.W.7, by Professor I. M. Heilbron, D.S.O., F.R.S., at 5.30 p.m., on May 24, 25 and 26.

At the annual general meeting of the South-West London Chemists' Association held on May 7 the following were returned as members of the council for the session 1937-38:—Mrs. Browne, Miss Muers, Messrs. W. Atkinson, Baskerville, Begg, Browne, J. P. James, Rees, Shakerley, Skues, Sparke, Edgecombe, Tibbett, Usher, and Woodnoth.

The second meeting of the London Chemists' Golfing Society was held at Finchley Golf Club, Nether Court, on May 6. Twenty-nine members competed for the prize (medal play) presented by the captain (Mr. Richard Collings). The Thomson cup for the best bogey score was won by R. Cobban with a return of all-square. The leading scores in each section were: G. H. Hankinson, 69 (three up); R. Cobban, 74 (all square); F. E. Lever, 74 (two down); H. M. Culmer, 76 (one down); A. W. Daniel, 80.

At the annual general meeting and subsequent Council meeting of the Guild of Public Pharmacists the following officers were elected:—President, Mr. F. B. Royal; Vice-President, Mr. J. Moore; Treasurer, Mr. J. B. Elgar; Registrar, Mr. F. W. J. Hooper; Secretary, Mr. A. E. Campion; Assistant Secretary, Mr. W. Trillwood; Council, Misses A. Gilliatt, E. Hodgkinson and A. C. Lacey, Messrs. H. Berry, F. E. Bullen, H. Davis, J. B. Elgar, J. R. Elliott, R. H. Henriksen, J. Moore, F. B. Royal, C. H. Sykes, and J. H. Wood.

A meeting of the Wimbledon and District Branch of the Pharmaceutical Society was held at Wimbledon Town Hall on May 4. Conference resolutions were discussed and instructions given to the delegates. It was agreed that the following should be put, as a joint amendment from the Wimbledon and Sheffield Branches: "That while approving the principle of Sunday closing of pharmacies, this Conference is of the opinion that in order to meet urgent medical needs on Sundays there should be arranged in every district a scheme for the Sunday opening of such number of pharmacies as is necessary for this purpose." It was decided to put forward two candidates at the coming Surrey Pharmaceutical Committee election.

Norwich

At a meeting of the Norwich and District Branch of the Pharmaceutical Society on May 5, the election addresses of the various Council candidates were discussed. Mr. A. E. Beeston (vice-chairman) then gave an address entitled "Forty Years of Pharmacy," dealing with events and changes in which the

speaker had taken some personal part. Mr. Beeston recalled the price-cutting of pre-P.A.T.A. days; the early activities of Sir William Glyn-Jones; the activities of the East Anglian Federation; the trials of the Great War periods; the development of the National Health Insurance scheme; and the gradual organisation of pharmacy. Following the address several older members gave short reminiscences.

At a special meeting of the Norwich and District Branch of the Pharmaceutical Society, held on April 27, Mr. J. F. Collin, Ph.C., received an enthusiastic welcome on stating his policy as a candidate for the Council. Points from his address were that provincial retail pharmacy was inadequately represented; that the rights and privileges of pharmacists must be protected; that dispensing must be reserved to pharmacists; that adequate parliamentary representation must be secured; and that a public relations office, to keep before the public the scientific training and attainments of the pharmacist, should be appointed. A course of instruction in gas raid precautions arranged by the Branch has been completed, and a cheque has been sent to the local Branch of the British Red Cross Society in payment.

Reading

A special meeting of the Reading and District Branch of the Pharmaceutical Society was held at Reading on May 6, Mr. A. E. Breakspear in the chair. The secretary reported on further interviews with M.P.s regarding the Select Committee's Report on Medicine Stamp Duties. The Liverpool Conference motions were considered seriatim. A free discussion followed on the merits of the sixteen candidates at the forthcoming Council election.

Reigate

The annual meeting of the Reigate and Redhill Branch of the Pharmaceutical Society and of the local Association was held at the Warwick Hotel, Redhill, on May 6, with Mr. Wolfe (president) in the chair. The following officers were elected: *President*, Mr. F. G. Lewis, Reigate; *Vice-President*, Mr. Worfolk, Caterham; *Secretary*, Mr. G. S. Powell, Redhill; *Treasurer*, Mr. E. S. Feltham, Reigate. The Benevolent Fund secretary (Mr. Bush) reported a successful year and handed the president the sum of £13 collected. The meeting then proceeded to discuss the Air Raid Precautions Scheme, and it was decided to arrange a series of lectures, to be given by Mr. Worfolk (vice-president), who is an authorised lecturer under the Scheme. A grant of £2 2s. was voted to the Benevolent Fund, and £1 1s. to the Orphans' Fund.

Miscellaneous

CORONATION GIFT TO EMPLOYEES.—H. Bronnley & Co., Ltd., soap makers and perfumers, Acton Vale, London, W.3, are presenting, on the occasion of the Coronation, an extra two weeks' salary to their office staff and one week's wages to their factory employees.

SHOPS ACTS PROSECUTIONS.—At Blackpool Police Court, recently, Mr. T. D. Rothery, M.P.S., Church Street, was fined 10s. for failing to close his shop at 7 p.m., and a total of 18s. for not displaying various notices as to closing, etc. Mr. H. Harris, M.P.S., Whitegate Drive, was also fined 20s. for selling a comb at 7.51 p.m., and 6s. for failing to display a closing notice.

CENTRAL OPTICAL COUNCIL.—The annual general meeting was held in London on May 6, Mr. A. E. Turville presiding. Many resolutions were discussed and recommendations to the various organisations were passed. Delegates from the following organisations were present:—The Guild of British Consulting Opticians, Institute of Chemist-Opticians, Institute of Ophthalmic Opticians, Joint Council of Qualified Opticians, National Association of Opticians, National Council for the Preservation of Eyesight, Scottish Association of Opticians. The chairman reported on the work done during the past year, and expressed pleasure at the very friendly spirit which now prevailed at all their meetings. The treasurer (Mr. J. J. Laws) presented the balance sheet, which showed a useful balance. The following officers were elected:—*Chairman*, Mr. A. E. Turville; *Vice-Chairman*, Mr. L. E. Durran (Fenny-Stratford); *Treasurer*, Mr. J. J. Laws (S. Kensington); *Auditors*, Mr. F. R. Spencer (Bromley, Kent), Mr. Percy Barrs (Kensington); *Secretary*, Mr. E. G. Guyatt, 143 High Street North, East Ham, London, E.6.

Scottish Notes

Edinburgh

Monday, May 17, will be observed as a holiday in Edinburgh; all wholesale houses and most retail businesses will be closed.

The annual meeting of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on May 7, Mr. James B. Mitchell (chairman of the Branch) presiding. Mr. C. G. Drummond (secretary and treasurer) submitted the report and financial statement, which recorded a highly successful session and a satisfactory balance in hand. During the year many matters had arisen demanding immediate attention. The Committee had, for example, solicited the assistance of any members in the Branch area who were able to help in the matter of obtaining interviews with M.P.s on the subject of the Select Committee's report on Medicine Stamp Duty. All the M.P.s in the area were either interviewed or written to, and in each case a sympathetic response was forthcoming. The question of a local agreement to close on the Wednesday afternoon in the week in which a full-day public holiday occurred had been taken up. Ninety-five per cent. of the chemists in the city had expressed agreement, and the committee had unanimously recommended that the practice should be adopted. On the motion of Mr. James Henry, seconded by Mr. Peter Nisbet, the report and financial statement were approved.

Mr. Currie said he thought it would be an advantage if the financial statement could be circulated to the members prior to the meeting.

The following office-bearers were elected:—Mr. J. B. Mitchell, Edinburgh, *Chairman*; Mr. James Henry, Galashiels, *Vice-Chairman*; Mr. Charles G. Drummond, 38 Grassmarket, Edinburgh, *Secretary and Treasurer*; Committee, Miss Olive W. Scarlett, Edinburgh; Messrs. W. A. Beattie, Edinburgh, John Gilmour, Dunfermline, David Harley, Portobello, Eric Knott, Edinburgh, J. H. Macpherson, Edinburgh, Peter Nisbet, Leith, Gordon Perrins, Edinburgh, James C. Somerville, Edinburgh, James R. Sutherland, Dalkeith, J. H. Tainsh, Edinburgh, and Thomas Wilson, Burntisland.

Dr. Joseph Tait, Ph.C. (resident secretary), gave a short address on "Current Pharmaceutical Topics," dealing more particularly with the action that had been taken in reference to the Methylated Spirits (Scotland) Bill, and the report of the Select Committee on Medicine Stamp Duty, in regard to which the Council of the Society, in conjunction with other representative bodies, had taken prompt action.

Mr. Boa said he thought all the trouble about Medicine Stamp Duty had been caused by the unwise and uncalled-for action of the Customs and Excise authorities in regard to the policy of destamping. He recalled his association with the decision that led to the "known, admitted and approved medicines" test case, and declared that pharmacists were entitled to insist that this right should be maintained as in keeping with the original intention of the legislation. Mr. James Henry moved a vote of thanks to Dr. Tait, and, on the motion of Mr. David Harley, a vote of thanks was awarded to the chairman.

Miscellaneous

PHOTOGRAPHIC DISPLAYS.—A correspondent writes:—"Photographic displays are being featured in the majority of chemists' windows. Coronation show material is particularly bright."

COLD SPELL.—A correspondent writes:—"The intensely cold weather of the past week has been responsible for a considerable increase in sickness, and there has been a return of business in winter remedies."

DUNDEE DOCTOR'S DEATH.—Dr. Charles Kerr, who died in Dundee on May 8, is one of the best known general practitioners locally, and the son of the late Mr. Charles Kerr, chemist and druggist, Nethergate.

GAS-AIR APPARATUS.—The statement relating to the use of the Queen Charlotte's portable gas-air analgesin apparatus (*C. & D.*, April 10, p. 415) should have been "After July next, midwives who have passed a special training course will be allowed to use the outfit," and not as printed. [Corrected note.]

Irish Notes

Ulster Chemists' Association

The monthly meeting of the Executive Committee was held at 73 University Street, Belfast, on May 4, the president (Mr. A. Steede) in the chair. Also present were Messrs. C. Abernethy, A. E. A. Davis, R. C. Jeffers, A. E. Johnston, R. Linehan, James McDowell, John McDowell, J. McGregor, J. M. Poots, E. A. Richey and W. C. Tate. The secretary of the Pharmaceutical Society of Northern Ireland wrote enclosing a copy of a letter received from the Ministry of Home Affairs about a member's complaint of an alleged sale of tincture of lobelia by an unauthorised person. The Minister of Home Affairs stated that he could not see on what grounds the complaining member of the U.C.A. had suggested that tr. lobeliae was a poison within the meaning of the Poisons Schedule. In the view of the Minister it could not be regarded as such and he was fortified in this view by the fact that tr. lobeliae was not scheduled as a poison in Great Britain. The secretary was instructed to forward a copy of the Ministry's letter to the member concerned. Some price alterations were considered and adopted and the accounts certified for payment.

Belfast

Mr. T. L. Cole, Ph.C., has been appointed a justice of the peace for the County of the City of Belfast.

"The Joy of Amateur Cinematography" was the title of a lecture given to the Belfast and District Branch of the Photographic Dealers' Association at 73 University Street, by Mr. J. E. Saunders, F.Z.S. Many film shots were screened, including some taken in the Zoological Gardens of London, Manchester (Belle Vue) and Edinburgh.

At Belfast Recorder's Court, on May 4, James Millar, William Scott, Edward Bill, William Gault and John McAneney were charged with breaking into the pharmacy of Mr. W. McKay, Cliftonville Road, and stealing aspirin, powder puffs, and other goods. There were summonses on other cases against the accused, who pleaded "Guilty." Scott was sent to a Borstal institute for three years, while the other four received suspended sentences of nine months' imprisonment.

Mr. Fred Storey, president of the Chemists' and Druggists' Society of Ireland, attended the luncheon given to Viscount Craigavon by the Ulster group of the Overseas League in Overseas House in London on May 5. On the same evening Mr. Storey proposed a vote of thanks to Viscount Craigavon when he officially opened the London Office and Information Bureau of the Ulster Tourist Development Association. Mr. Storey is vice-chairman of the Association.

Miscellaneous

REPRESENTATION IN THE SENATE SUGGESTED.—In pharmaceutical circles in Dublin there is a feeling that pharmacy should be accorded representation in the Senate proposed under Mr. de Valera's new constitution.

CORONATION DISPLAYS.—Many Belfast pharmacies have made a brave show of Coronation decorations. Others are expected to make more elaborate displays on the occasion of the visit of the King and Queen on July 28.

REPRESENTATIVE APPOINTED.—Mr. Stewart Black, son of the late Mr. Angus Black, has been appointed by Ayrton, Saunders & Co., Ltd., Liverpool, to represent them in Northern Ireland. He will also represent the Dublin house in co. Donegal.

MINISTERIAL VISIT.—Mr. F. T. Smith, J.P., Ph.C., presided at a dinner given in Antrim town during the visit of the Ministers of Labour and Finance, Government of Northern Ireland, for the opening of the local unemployment committee's new building.

PROPOSED CHEMISTS' ASSOCIATION.—A meeting of the chemists in co. Kerry will be held at Tralee on May 9, when members from Tralee, Killarney, Listowel, Caheriveen, Dingle Kenmore, Rathmire, Killerglen and Castle island are expected to attend. It is proposed to form an association to deal with trade interests. Mr. Brendan Smith, M.P.S.I. (organiser for the Irish Drug Association) will be present to offer suggestions.

CLOSING HOURS APPROVED.—The City Manager of Limerick (Mr. T. C. Mahony) has received a sealed order from the Minister for Local Government, approving the alteration of the Shops' Hours Act in so far as it affects chemists' shops in the city. Recently the Borough Council (on the application of the chemists) made an order altering the hours for closing of chemists' shops from nine o'clock to eight o'clock, on each evening except Saturday. The new order will now take effect as soon as the formal notice has been published.

Topical Reflections

By Xrayser

The Passing

of Mr. E. H. Simmons at the comparatively early age of sixty-one is a great blow to pharmacy. It is noteworthy that the death of a vice-president while in office is unique in the history of the Society. Mr. Simmons was, above all else, a practical pharmacist, working behind his counter and leaving his pharmacy to attend the many meetings at which his presence was so much appreciated. He was a man of transparent sincerity, and could be depended upon to say exactly what he felt without reference to the views of any party or clique. We can ill afford to lose such men. It was my privilege to have met him on several occasions and to have discussed pharmaceutical matters with him; I always found him sympathetic to any views or requests I put forward and I felt that if he promised his support to any movement he would give it.

I am Hopeful

that one effect of the Shops (Sunday Trading Restriction) Act, 1936, will be to bind pharmacists more closely together in Association work, particularly where the establishment of rotas is concerned. It is a matter eminently in accordance with the objects and aims of pharmaceutical associations, and I shall not be at all surprised to learn in due course that the Act, which on its first inception, appeared to introduce some conflicting elements into the practice of pharmacy, will not in the end be hailed as a unifying influence. It is early days yet, but I am told that in one town the working of the rota system on the first Sunday was a great success. All the chemists, with the exception of the

multiple shops, joined the rota. The medical men are being notified on the Saturday which pharmacy will be open on the Sunday; the police are also told. If a prescription is dispensed by a chemist who is open, for the customer of one who is closed, arrangements are made whereby the latter gets some benefit from the transaction if cash is paid; if the script is booked there is a spirit of give and take which is refreshing.

Happy Indeed

will be the poison seller in those districts where inspection is carried out by inspectors other than those of the Pharmaceutical Society, judging by the state of affairs in West Hampstead (p. 548). The fact of the matter is that the average municipal official, be he a sanitary inspector, policeman or what not, is quite unsuited to carry on the work of visiting the premises of poison sellers to find out if the provisions of the Pharmacy and Poisons Act are being carried out. With the best intentions in the world he cannot know much of the duties he has to perform and his technical knowledge of the poisons he has to inspect is frequently *nil*. Then he is often a busy man, with more than enough to do in carrying out the work of his office and extra work of this type is often resented. The advantage of an inspector of the Society calling is that he is not known locally and he can bring to bear an unbiased judgment on his work, which is not always easy to the local inspector. I hope that chemists who are on town or other councils authorised to carry out the provisions of the Act regarding listed sellers of poisons will occasionally put similar questions to those as given by you, and publish the results.

Imperial News

South Africa

The Medical, Dental and Pharmacy Act has now been passed by Parliament and has become law. Among the principal clauses are the following: One dealing with acts pertaining to the calling of a chemist and druggist, the manipulation, preparation or compounding of any drug or medicinal or chemical substance; the compounding or dispensing of any drug, medicine or therapeutic substances prescribed by a medical practitioner, dentist, or authorised veterinarian; the manufacture or supervision of the manufacture of any proprietary medicine. The above denominates the classes of business which a chemist conducts and which are regulated by rules under the Act. An important section is one stating that in regard to the business of chemist or druggist it is provided that rules may be made which shall apply only in specific areas or shall differentiate different areas. Provided, however, that no rule shall be made which controls or fixes the minimum price at which any drug or medicine shall be sold. Before any rule proposed to be made under the paragraph is submitted to the Minister for approval adequate notice shall be sent to every registered chemist and druggist, and any objections shall be submitted to the Minister with the proposed rule.

CONTROL OF PATENT MEDICINES

Drastic provisions for controlling the sale and advertisement of proprietary medicines and medical appliances are contained in the Proprietary Medicines and Appliances Bill which is now before the House of Assembly. These provisions may, however, be altered considerably before the Bill is considered further, as it is understood it will be referred to a Select Committee. The Bill provides for the annual registration of all proprietary medicines and appliances. The importation or advertisement of unregistered articles is made an offence, with a maximum fine of £100 or one year's imprisonment. The Bill provides for the appointment of a Registrar of Proprietary Medicines and Appliances, who is empowered to grant certificates of registration. He may refuse to register any article if he is not satisfied that it has the prophylactic properties claimed for it or if it claims to be a cure or remedy for one of a number of diseases generally considered incurable or as demanding special medical or surgical treatment. These are specified in a schedule and include such complaints as alcoholism, appendicitis, blindness, Bright's disease, cancer, deafness, diabetes, epilepsy, erysipelas, goitre, heart disease, leprosy, rupture, sexual impotence, tuberculosis, and venereal diseases. Elaborate rules are provided for the inspection of proprietary medicines and appliances on importation or on their sale, and inspectors are given powers of search where the persons in charge of the articles concerned refuse to give the inspectors the proper facilities. The most drastic provisions of the Bill refer to advertisements. It is made an offence (carrying the same penalty as mentioned above) to cause to be printed or published any advertisement relating to a proprietary article which is indecent or improper; does not state the name and address of the manufacturer; does not state the specific use of an appliance; contains or directly or indirectly refers to any testimonial; is likely to conjure up in the mind of a reasonable man reading it the fear of serious consequences from some trivial complaint; offers free treatment or supplies of the article; refers by name or implication to a disease scheduled as incurable or requiring special treatment; contains the expressions "professor," "doctor," "physician," "medical practitioner" or "surgeon," or refers to any qualification in medicine or surgery or to any past, existing or fictitious physician, surgeon or scientist; refers to any sexual functions or to abortion or contraception; invites direct correspondence from members of the public; states that the article advertised is a cure or specific remedy for any disease or pathological condition; states that the article is a palliative unless the nature of its palliative action is clearly stated; contains any statement as to the article which differs from the information supplied to the Registrar. The Registrar may prohibit the importation of any article advertised in periodicals published, or overseas periodicals circulating, in the Union when the advertisement transgresses these rules. The provisions relating to advertisements are not intended to apply to advertisements in medical or chemists' journals.

India

THE spirit and pharmaceutical industry of India has been the subject of some discussion for a long time past in India, and the more important of the firms engaged in this industry, led by the Alembic Chemical Works Co., Ltd., of Baroda and Bombay, are asking for the establishment of uniformity in excise rules throughout India. At present, each provincial government has got its own level of excise duty and its own form of excise regulations and restrictions, and this has created inter-provincial barriers to trade which is regulated by import and export permits. Thus, free transport and movement is not allowed in the case of indigenous products, which is a great handicap to the growth of the industry, while imports from Germany or Japan once the duty on them is paid at the port of entry are allowed free transport and movement throughout India. To bring these difficulties to the notice of Government Mr. B. D. Amin, the managing director of the Alembic Chemical Works Co., has prepared a lengthy memorandum discussing every aspect of the question. Representations are being made to the Government of India in this matter, asking them to take early steps to establish uniformity of excise rules and regulations throughout India by arranging about an All-India Conference for the purpose before provincial autonomy is inaugurated. The question will very probably be discussed at the next session of the All-India Industries Conference.

STUDIES carried out at the Forest Research Institute, Dehra Dun, India, have established the presence in north-west India of *Artemisia*. A factory for the extraction of santonin is established in Kashmir, while the political agency, Kurram, obtains considerable revenue from the export of *Artemisia* to Europe. Ephedrine-bearing species of *Ephedra* were sought and specimens were found to be richer in ephedrine-content than the Chinese varieties. India and Baluchistan, it is stated, now export large quantities of *Ephedra*. A study of the alkaloid, vasicine, isolated from the weed, *Adhatoda vasica*, and the determination of its therapeutic properties has led to the wide use of this drug by medical practitioners and its manufacture by pharmaceutical firms in India. With a view to the manufacture of turpentine in India, much pioneering work had to be done and modifications of the distillation process were devised, as the oil produced from *chir* wood in the early days of the industry had certain defects (such as stickiness and slow drying) which gave it an inferior position in the trade. The Indian turpentine produced to-day compares very favourably with the best American and French grades. Experimental work on the manufacture of katha and cutch from *khaar* wood resulted in the establishment of a factory in the United Provinces, and promoted the utilisation of *Acacia sundra* for these products in south India. Improvements in the local method of making katha, which were devised at the Institute, have produced not only better katha but also cutch equal in value and quality to the best Burma cutch.

New Zealand

The New Zealand Pharmacy Board's "General Report for the Year 1936," recently issued, claims that chemists have influenced the Government to control competition from overseas in the interests of local industry. "Unfortunately the Government was driven, by pressure of other work, to postpone the Pharmacy Bill; but it did make legal provision for holding up the extension of companies, and it did bring pharmacy within the scope of the Industrial Efficiency Act, with its power to control the opening of superfluous chemists' shops." A new draft of the Pharmacy Bill has been made, embodying all the more important features of Australian and British law; there is reason to hope, the report states, that the Bill will be submitted to the House next session. It is suggested that some additional control will be demanded by the Government, and reference is made to a national health insurance scheme which is "definitely under way" and in which the chemist holds an important place. During the year a new examination syllabus has been introduced, to apply to apprentices entering service on or after January 1, 1937, and governing the examinations of 1940 (intermediate) and 1942 (final). Power has been taken to accept passes in University examinations as equivalent to passes in intermediate pharmacy subjects.

Legal Reports

Date Fixed for Hearing.—In the Chancery Division of the High Court, London, on May 6, Mr. Justice Farwell fixed May 25 for the hearing of the action by Macleans, Ltd., against J. W. Lightbown & Sons, Ltd., on the application of Mr. Trevor Watson, K.C., counsel for the plaintiffs. Mr. Trevor Watson said the plaintiffs were alleging passing off and infringement of trade mark. It was desirable to fix a day for the trial because both sides would have to call a large number of qualified chemists as witnesses, and they could not leave their businesses without appointing a locum tenens in each case. The defendants supported the application.

Company News

P.C. means Private Company and R.O. Registered Office

E. R. WOODHEAD & CO., LTD. (P.C.)—Capital £500. Objects: To carry on the business of chemists, druggists, etc. R.O.: 9 Turnham Green Terrace, Chiswick, W.4.

RICHARDS (CHEMISTS), LTD. (P.C.)—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, etc. Solicitors: Francis & Calder, 41-42 King William Street, E.C.4.

STALKERS DRUG STORES, LTD. (P.C.)—Capital £200. Objects: To acquire the business of a drug stores, etc., carried on by J. P. Stalker at 1 West Brompton, Newcastle-under-Lyme, Staffs.

KINGSTON CHEMICALS, LTD. (P.C.)—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. R.O.: 121 Clarendon Street, Hull.

H. H. CUTHBERT (SUNDRIIDGE PARK), LTD. (P.C.)—Capital £1,000. Objects: To carry on the business of pharmacists, chemists and druggists, opticians, etc. R.O.: 8 Sundridge Parade, Bromley, Kent.

J. A. & N. CARRUTHERS, LTD. (P.C.)—Capital £250. Objects: To acquire the business of chemists, druggists and opticians heretofore carried on by J. A. & N. Carruthers at Victoria Road, Horley, Surrey.

ILUKA, LTD. (P.C.)—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in medicines, secret processes, pharmaceutical and other products, etc. R.O.: 1 Great St. James Street, Bedford Row, W.C.1.

DIRECT SALES (WOLVERHAMPTON), LTD. (P.C.)—Capital £200. Objects: To carry on the business of agents for the sale of soaps, disinfectants, brushes, toilet articles, etc. R.O.: 1 Beaconsfield Avenue, Parkfield Road, Wolverhampton.

PAN-KURA PRODUCTS, LTD. (P.C.)—Capital £100. Objects: To acquire certain formulas, the property of Horace F. Petch and to carry on the business of chemists and druggists, dentists and opticians, etc. R.O.: 5 John Street, Bedford Row, W.C.1.

TURTLE OIL PREPARATIONS, LTD. (P.C.)—Capital £100. Objects: To carry on the business of manufacturers of soaps, creams, toilet preparations, perfumes, patent medicines, etc. Fredk. C. Thomas, The Mount, Springfield, Chelmsford, Essex.

SURGICAL EQUIPMENT SUPPLIES, LTD. (P.C.)—Capital £1,000. Objects: To carry on the business of importers and exporters of surgical and optical instruments, appliances, etc. Arthur G. Wilson, Rylston, Culverhay, Ashtead, Surrey, director.

Pyo-SAN, LTD. (P.C.)—Capital £100. Objects: To carry on the business of manufacturers and vendors of biological, pharmaceutical and medical preparations, including patent medicines, etc. The first directors are to be appointed. Secretary: T. Granville Smith, 8 Bridewell Place, E.C.

F. D. MCLEOD CHEMISTS, LTD. (P.C.)—Capital £200. Objects: To carry on the business of chemists, druggists, manufacturers of and dealers in pharmaceutical chemicals, medicines, surgical appliances, opticians, etc. R.O.: Goldthorn Hill Pharmacy, Dudley Road, Wolverhampton.

PRONAX CO., LTD. (P.C.)—Capital £500. Objects: To carry on the business of manufacturers of and dealers in paints of all kinds, varnish, enamel, size, compositions, oil, wax, manufacturing chemists, etc. Albert W. Howes, 2 Manor Mansions, Holloway Road, N.7, director. R.O.: 11A Chester Road, Tottenham, N.17.

ANTI-GAS, LTD. (P.C.)—Capital £100. Objects: To carry on the business of manufacturers and dealers in masks, respirators and any other equipment, apparatus and materials for the protection against poisons gases, etc. Colin J. C. E. Healey, 6 Great Ormond Street, W.C.1, director. R.O.: St. Leonard's Works, Hancock Road, Bromley-by-Bow, E.3.

VARNISH GUMS, LTD. (P.C.)—Capital £500. Objects: To carry on the business of merchants in varnish gums, manufacturers of and dealers in chemical and other preparations, as selling agents in the United Kingdom for R. L. Settles & Co., of Antwerp, Belgium, and the Congo. George D. F. Keddie, Lymington, Chalkwell Esplanade, Westcliff-on-Sea; Fredk. H. Harrison, The Manor House, South Benfleet; Rupert L. Settles, 15-17 Rue de Burbure, Antwerp, directors. R.O.: 16 Water Lane, E.C.3.

BOOTS PURE DRUG CO., LTD.—Preliminary figures show that profits for year to March 31 improved by £27,009 to £799,898. Four interim dividends, amounting to 24 per cent., less tax, have been paid, and a bonus of 5 per cent. is now to be distributed. The total payment is the same as for each of the previous years.

KEMPTHORNE, PROSSER & CO.'S NEW ZEALAND DRUG CO., LTD.—Report for the financial year ended January 31, 1937, shows net profit for the year at £50,129 18s. 2d., which with £35,059 2s. 4d. brought forward, makes a total of £85,189 os. 6d. An interim dividend of 3½ per cent., £20,405, was paid as to July 31, 1936. The directors recommend payment of a final dividend of 4½ per cent. (making a total dividend of 8 per cent.) ; contribution to staff provident fund, £2,500, and to carry-forward the balance of £36,049 os. 6d. At the fifty-eighth annual meeting, held at Dunedin, the chairman, Mr. F. W. Edmond, in the course of his speech, said:—I think we can congratulate ourselves upon the successful conclusion of a year of many difficulties which to a large extent have been overcome by hard and persistent effort. I venture to say that the result shown is in a large measure due to the services rendered by the staff of the company at head office and branches, all of whom are deserving of the thanks of the shareholders. The chairman referred to the retirement of Mr. William Taylor, who joined the company forty-eight years ago. As general manager, Mr. Taylor had played a prominent part in the development of their business. Mr. Francis W. Mitchell and Mr. W. O. McKellar, the retiring directors, were re-elected. Mr. William Taylor continues as a director.

Bankruptcy Reports

Re William Holford Meyer, 32 High Street, Bridgnorth, Salop, chemist and druggist. The first meeting of creditors was held recently at the Official Receiver's Office, Shrewsbury. It was reported that debtor filed his own petition. His gross liabilities were returned at £2,824 13s. 7d., of which £1,057 9s. 7d. was expected to rank for dividend. There was an estimated surplus of assets over liabilities of £1,185 2s. 2d.

Re Hardie Warwick Osborne, 75 North Street, Guildford, chemist. This debtor filed his own petition, and he has returned a statement of affairs showing gross liabilities of £1,379 3s. 11d., of which £1,188 5s. 11d. is expected to rank for dividend, with net assets of £324 13s., or a deficiency of £863 12s. 11d. The debtor attributes his failure to lack of capital and to the profits from the business being insufficient to meet the overhead charges.

Re Haden Beecher Ward, 475 London Road, Sheffield, chemist. This debtor appeared for his public examination on April 8 at the County Court Hall, Sheffield. His statement of affairs disclosed a deficiency amounting to £915, and debtor stated that he obtained his discharge from a previous bankruptcy in 1934. He afterwards commenced business in Cliffe Field Road, Sheffield, being financed by his sister. The examination was concluded.

Anointing Oil

By C. J. S. THOMPSON, M.B.E., HON. CURATOR OF HISTORICAL COLLECTION, MUSEUM OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND

THE history of the oil used for the rite of anointing at the coronation of our kings goes back to a very early period, for it is known from the records of ancient Egypt that over 4,000 years ago the Pharaohs were anointed after investiture with the sacred robes of sovereignty. The olive in those days was regarded by all Eastern nations with veneration and its oil was considered as one of the most precious products of vegetable origin. In one of the Tell Amarna letters it is told that "the King of Cyprus sent to the King of Egypt a flask of good oil to pour on his head now that he had ascended the throne of his kingdom." There is little doubt that the Jews derived the rite of anointing from the Egyptians, and so when Saul was selected to be the first king over the chosen people, "Samuel took a phial of oil and poured it upon his head." From that time, the anointing or unction with oil became an important part of the ceremonial carried out at the installation of the Kings of Judah and Israel. The formula for this oil is given in the book of Exodus (xxx, 23-5), and we know that the Holy Anointing Oil used for consecration of the priests was composed of flowing myrrh, sweet cinnamon, calamus, cassia and olive oil. In the early Christian Church there were three kinds of oil blessed each year on Maundy Thursday. They were the Oil of Catechumens, the Oil of the Sick (both of which consisted of pure olive oil only) and the Chrism which was composed of balm of Gilead and olive oil. The last named was only used for the most sacred purposes and among them was the anointing of the kings at their coronation. This was known as "The Holy Oil out of the Sanctuary." It was employed at the rite of coronation of our monarchs from the time of Edward the Confessor and continued to be so used until after the Reformation. Through it the "power" was conferred on the Kings of England and France of "healing by touch" which they constantly practised, especially on those who suffered from scrofula or, as it was then known, as the "King's Evil." It was not until the seventeenth century that a change took place, for by an Order-in-Council it was decreed that a new oil was to be consecrated for the coronation of King Charles I. This was to be prepared by the King's Physicians, and for the purpose of devising a suitable formula Sir Theodore Turquet de Mayerne, who held a Court appointment, was called in. Sir Theodore, who with Gideon de Laune founded the Society of Apothecaries, was regarded as one of the great authorities on pharmacy at the time, and he originated a prescription for an anointing oil which has never been superseded. It was composed of orange and jasmine flowers infused in oil of ben, the distilled oils of rose and cinnamon, prepared benzoin, ambergris, civet, musk and spirit of rosemary. This formed a most fragrant compound and one that would keep almost indefinitely. It was used for the anointing of Charles I and Charles II. James II had to procure absolution from Rome because the oil had been consecrated by a non-Catholic bishop. It was employed at the coronation of William and Mary, Queen Anne, and also to anoint George I, II, III and IV. In connexion with the coronation of George IV, an application was made to the Court of Claims by the firm of Godfrey & Cooke that they might have the honour of preparing the anointing oil, which they stated they had made from the time of King James II in 1680, but the claim was not sustained. There is no authentic record of the composition of the oil used at the coronation of Queen Victoria, but it may be presumed it was prepared from the same formula which had been used for her predecessors. The oil used for anointing at the coronation of King Edward VII was prepared by Squire & Sons, the King's Chemists, in 1902. It was prepared from the original formula devised by Mayerne for King Charles I, with but a slight addition. Some of the same oil was again employed at the coronation of King George V. It has a rich perfume of peculiar fragrance, and is of an amber colour which deepens the longer it is kept. The ampulla, from which it is poured into the anointing spoon, is believed to hold a little over three ounces, but from early times the interesting custom has been observed of preserving a little of the old oil, to which any new oil required is added, and thus the sanctity of the Holy Anointing Oil is retained.

Perfume Plants of the Upper Ubangi

L. JOLY ("La Parfumerie Moderne," xxxi, I, 25) has made an examination of a number of essential oils obtained from plants of French Equatorial Africa, some of which are used locally as perfumes, and several of which are of considerable interest. That from *Cyperus articulatus* is described, but does not appear to differ materially from the oil of *Cyperus rotundus* produced in India and in the Sudan, except that the essential oil of the Indian tubers (which are used by the natives to make perfume sticks known as *oodabatties*) is dextrorotatory. The three oils have the following characters:—

	INDIAN	SUDANESE	UBANGI
Specific gravity	0.983-0.991	0.957	0.9702
Rotation	+20° to +43°	-20°	-13° 32'
Refractive index	1.512 to 1.516	1.497	1.5064
Acid value	2.1 to 3.4	1.0	3.92
Esters, per cent.	—	—	2.94
Ester number	11 to 16	6.6	—
Acetyl-ester value	73 to 98	105	—

Of considerable interest is the oil of *Ischaemum brachyathorum*, a plant belonging to the *Graminaceæ*. The fragrant roots are known by the natives as *kadjidji*, but several other perfume materials, such as certain fragrant woods and resins, are also known by the same name. The essential oil of the root resembles vetivert in odour, and is suggested as a substitute for that oil. It has the following characters:—

Specific gravity ...	...	...	1.0158
Optical rotation at 26°	...	...	+101° 20'
Refractive index	...	...	1.5216
Acid value ...	...	...	5.04
Ester value ...	...	...	4.55
Ester value after acetylation ...	...	...	112.7
Alcohols calculated as $C_{15}H_{26}O$ ...	...	...	48.8%

No indication of the nature of the alcoholic constituents is given, but apparently they are related to the sesquiterpene alcohol vetivenol.

The odorous bark of *Acacia verugera* yields an essential oil which is used to perfume fatty oils, as unguents. The oil has the following characters:—

Specific gravity at 15°	...	...	0.9724
Optical rotation	...	...	+19° 35'
Refractive index	...	...	1.5148
Acid value ...	...	...	2.94
Ester value ...	...	...	17.85

Joly states that the odour of this oil is not like that of any oil he knows; it is fruity, but with an indeterminate note. He thinks it might be useful for perfumery for the production of some new effects.

An interesting plant, whose botanical origin does not appear to be decided, yielded an oil having characters which closely resemble those of wintergreen. M. Joly considers them identical with those of the oil of *Mexalobus crispiflorus*, and gives the following figures:—

Specific gravity at 15°	...	...	1.1672
Optical rotation	...	...	0°
Refractive index	...	...	1.6306
Esters calculated as methyl salicylate	...	...	92.34%

The figure given for the refractive index is probably a printer's uncorrected error, and should be 1.5306. The oil from *Ageratum conyzoides* is interesting, but the details given are perplexing. M. Joly reports on a sample which had a specific gravity 1.0442, optical rotation -2°, and contained 5 per cent. of eugenol, and consisted mainly of a phenolic ether. But without any explanation two samples are recorded under the heading "second examination" having the following characters, which cannot possibly correspond with the other sample:—

	(1)	(2)
Specific gravity	0.9637	0.9491
Optical rotation	+15° 30'	+34° 12'
Refractive index	1.5080	1.5046

HEALTH EDUCATION.—The Health Education Year Book, just published (5s. 6d., post free) by the Central Council for Health Education, 1 Thorncroft Street, Russell Square, London, W.C.1, contains lists of affiliated health organisations; and of publications, posters, lectures, films, etc., available for propaganda purposes.

Items in Parliament

CHINA: TRADE MARKS

The Secretary of State for Foreign Affairs was asked whether he had yet received the expected report from his Majesty's Ambassador in China on the present state of the Chinese law relating to the registration of trade marks; whether the representations made by his Majesty's Ambassador in July 1936 had produced any result; whether his attention had been drawn to the decision of the Chinese authorities that the use by a Chinese firm of a trade mark of soap-class goods resembling the trade mark registered by a British firm for face cream was not an infringement of the trade-mark law on the ground that the British importers had not actually used the trade mark for such; and whether he would draw the attention of the Chinese Government to the abuses likely to result from this interpretation of the law?

Viscount Cranborne (Under-Secretary): A full report from his Majesty's Ambassador on the whole question of the Chinese law relating to the registration of trade marks and covering the question of the imitation of British trade marks in China is expected to reach my right hon. Friend within the next few days.

CHINESE VEGETABLE OIL CORPORATION

The Secretary of State for Foreign Affairs was asked whether he had any information about the China Vegetable Oil Corporation; whether the controlling interest in the Corporation was held by the Chinese Government; and whether it was the policy of the Corporation to enter into competition with private traders in the marketing of wood oil?

Viscount Cranborne: Yes, sir, I have been kept informed by his Majesty's Ambassador in China on the subject. The controlling interest in the Corporation appears in practice to be held by the Chinese Government. From such indications of the Corporation's policy as can be discerned at present, it appears possible that it may undertake the marketing of wood oil as soon as it is in a position to build up the necessary organisation.

CALCIUM CARBIDE PRODUCTION

The Minister for the Co-ordination of Defence was asked whether the promised committee to consider the production of calcium carbide in the United Kingdom had been appointed, what was its personnel and what were its terms of reference?

Sir Thomas Inskip: The established practice is not to make public particulars of committees of the Committee of Imperial Defence, . . . this occasion appears to be one in which the public interest is best served by an announcement. The terms of reference are "to consider and report as to the relative advantages of any schemes which may be submitted to them for the production of calcium carbide and allied products in the United Kingdom." The committee will be Sir Ernest Harvey, K.B.E. (late Deputy-Governor of the Bank of England), Chairman, with Mr. Peter Bennett (Joseph Lucas & Co., Vice-President of the Federation of British Industries), and Mr. T. Lodge, C.B. (late member of the Commission of Government in Newfoundland). Communications should be addressed to the Secretary, Calcium Carbide Committee, 2 Whitehall Gardens, S.W. As the inquiry may involve consideration of certain chemical problems, I have thought it desirable to assist the committee by the appointment of a technical assessor drawn from the public service and have obtained the services of Sir Gilbert Morgan, D.Sc., LL.D. (Director of the Chemical Laboratory, Teddington), in that capacity.

BLOOD TRANSFUSION

The Secretary of State for War was asked what supplies, if any, of human blood were available for transfusion, grouped and bacteriologically tested, for large-scale emergency treatment?

Mr. Cooper: The Army policy is not to store blood for large-scale transfusion, as the period for which this can be done is very limited. Each military formation has a number of donors grouped and tested who are available for this service.

Further questioned by Mr. Wakefield as to whether he was aware that in Russia large stores of human blood were available and had been used very successfully in cases of emergency. Mr. Cooper replied: There are reports to that effect, but it is more satisfactory and economical to keep our stores of blood on the hoof.

HYDROCARBON OILS

The Financial Secretary to the Treasury was asked what were the quantities of each of the categories of hydrocarbon oils retained for home consumption during the year ended March 31, 1937, and what were the net receipts of duty?

Lieut-Col. Colville, in reply, gave a table from which the following figures are taken:—

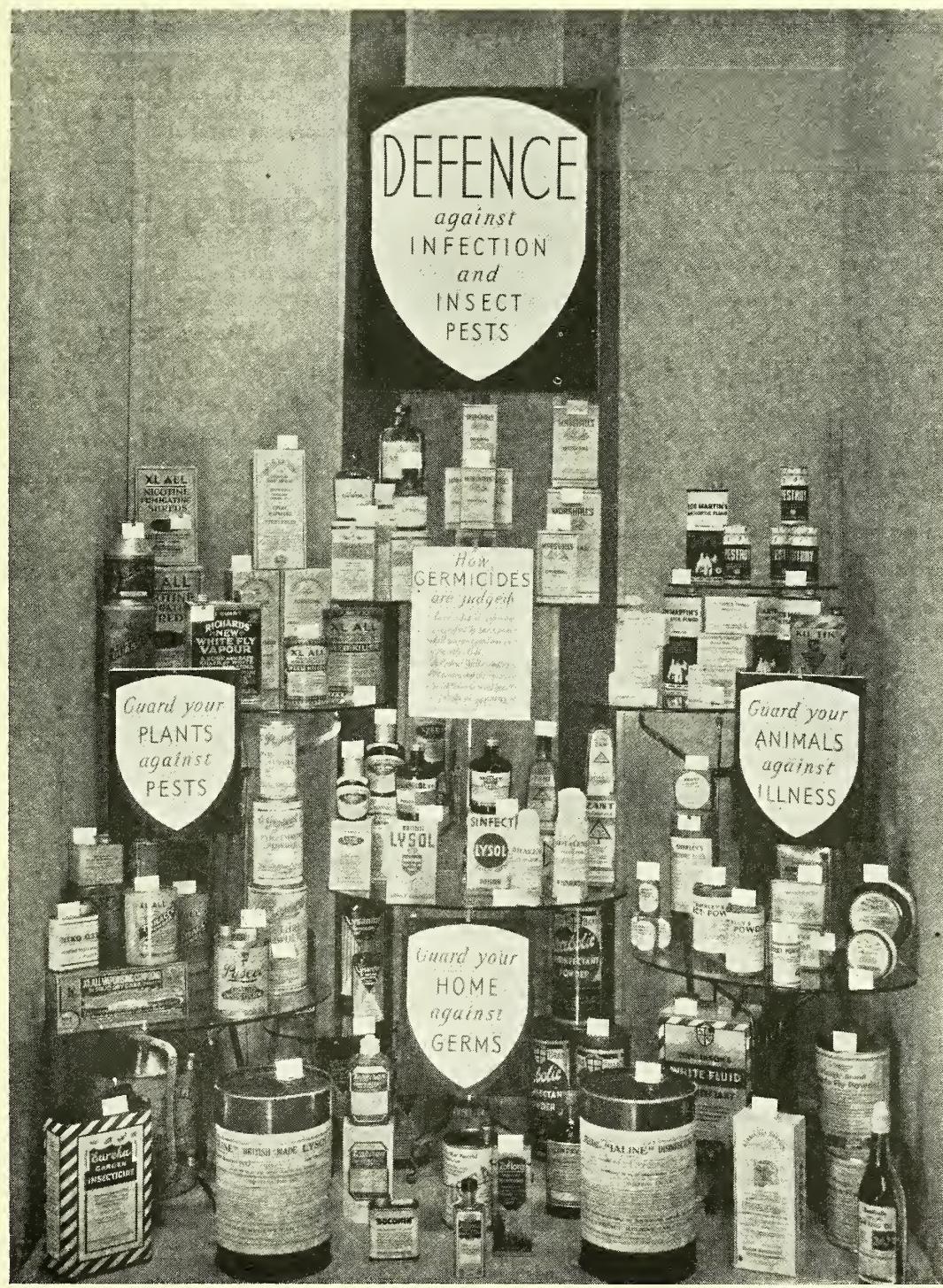
	Approximate quantity retained for home consumption	Approximate net receipts
<i>Light oils :</i>		
Coal tar products (a) :	Gallons	£
Benzol	176,000	6,000
Other sorts	1,000	—
Turpentine	5,030,000	168,000
<i>Heavy oils :</i>		
Fuel oil other than road fuel oil ...	283,850,000	1,183,000
Other sorts of petroleum oil	7,519,000	31,000
Coal tar products ...	33,000	—

Window Display

THE display of disinfectants, insecticides, weed-killers and antiseptics illustrated on the opposite page was built up in a five-foot window. The theme was the topical one of DEFENCE and the symbol of a shield was incorporated in each of the main showcards. The goods were arranged in three main groups: Household ("Guard your HOME against GERMS"); garden ("Guard your PLANTS against PESTS"); and animal ("Guard your ANIMALS against ILLNESS"). The showcards were carried out in black and white, the main one being 20 in. by 16 in., the three subsidiaries 10 in. by 8 in. each. An additional "educational" showcard, size 12 in. by 8 in., was worded as follows: "How GERMICIDES are judged. Germicidal disinfectants are classified by their power to kill micro-organisms (such as *Bacillus Coli*). A "Rideal-Walker" co-efficient of 7.4 means that the preparation kills 7.4 times as many bacilli as an equal quantity of carbolic acid."

Goods displayed:—**HOUSEHOLD DISINFECTANTS:** Lysantol (Allen & Hanburys, Ltd.); Zephiran antiseptic concentrate (Bayer Products, Ltd.); Red Diamond Lysol, Zotol disinfectant, Zotelone antiseptic (Burgoyne, Burbidges & Co., Ltd.); Evansol lysol, Zant germicide (Evans Sons Lescher & Webb, Ltd.); Marshall's lysol (Lysol, Ltd.); Ialine disinfectant fluid, Ialine lysol (Regent Tar Co., Ltd.); Sinfect germicide, Sinfect lysol, Zoflora perfumed disinfectant (Thornton & Ross, Ltd.). **GARDEN INSECTICIDES AND WEED KILLERS:** Pysect pyrethrum powder, Pysect liquid insecticides (Stafford Allen & Sons, Ltd.); Buconin non-poisonous insecticide, Niko O.S.L. nicotine water spray, Bordeaux mixture, green sulphur (Buggé's Insecticides, Ltd.); Nicosul nicotine-sulphur 40 per cent. disinfectant (Evans Sons Lescher & Webb, Ltd.); Richards' Slug Slayer, Richards' white fly vapour, XL-All nicotine fumigating shreds, extract of quassia, non-poisonous weed-killer, tobacco powder, vaporising compound for greenhouses and liquid insecticides (G. H. Richards, Ltd.); Eureka garden insecticide, Eureka lime sulphate (Tomlinson & Hayward, Ltd.). **ANIMAL DISINFECTANTS AND MEDICINES:** Warble fly dressing (Buggé's Insecticides, Ltd.); Pestroy insect fly powder, worm capsules (Allen & Hanburys, Ltd.); warble powder, antiseptic fluid (Bob Martin, Ltd.); Naldire's Dog Soap (Aimée Lloyd & Co., Ltd.); Formalin dog soap, insect powder, worm capsules (A. F. Sherley & Co., Ltd.); veterinary cod-liver oil (Southall Brothers & Barclay, Ltd.); Kil-tik, a white fluid disinfectant for agricultural and horticultural use, disinfectant fluid for domestic and farm use (Tomlinson & Hayward, Ltd.).

A Display of
DISINFECTANTS, INSECTICIDES
Weed Killers and Animal Medicines



Trade Notes

CELLOPHANE.—All Cellophane products may be obtained from Pakcel, Ltd., Shropshire House, 11-20 Pancras Street, London, W.C.1.

OMNIPED FOOT CUSHION.—Readers are requested to send for full particulars regarding Omniped massaging foot cushion which is now in seasonal demand. Particulars may be obtained from International Foot Appliances, Ltd., 92 Baker Street, London, W.1.

DR. WEISS PREPARATIONS.—Nu-Organic Remedies, Ltd., 2 Featherstone Buildings, High Holborn, London, W.C.1, advertise their products and offer literature which may be obtained on application. Inquiries are invited from other countries for direct importers and sole distributors.

A NEW DOG PRODUCT.—Degaloids has been introduced for the treatment of nervous dogs and acts as a tonic and alterative for nerve troubles. It contains no poisons or other harmful ingredients. Further details may be obtained from Chas. Zimmermann & Co., Ltd., 9/10 St. Mary-at-Hill, London, E.C.3.

AIRSEA TRAVEL SICKNESS ANTIDOTE.—A new travel sickness remedy has been prepared by Anglo International Producers, Ltd., 12-13 South Place, London, E.C.2, the sole distributors being Thos. Christy & Co., Ltd., 6-12 Old Swan Lane, London, E.C.4, who will send details of prices and further particulars.

PARIS TRADE FAIR.—In order that the inauguration of the Foire de Paris may coincide with the first week of the six-monthly exhibition (now being definitely opened on May 24) the opening date has been deferred until May 22 and will close on June 7, one week later than announced.

BROOKLAX.—prepared by Westminster Laboratories, Ltd., 4-12 Palmer Street, London, S.W.1, is advertised widely in the national Press with the slogan "Buy medicinal preparations from qualified chemists—they understand them." Sales aids are available on application, and a new pamphlet entitled "8 Special Offers" may be obtained by all chemists.

GUIDE TO PHOTOGRAPHY.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.4, have issued a new illustrated photographic booklet, "Tabloid Guide to Photography," copies of which will be sent free on application. In this guide is discussed development, fine grain negatives, correcting unsatisfactory negatives, exposure, printing and colour effects on prints.

NEW RANGE OF TOOTHBRUSHES.—G. B. Kent & Sons, Ltd., 75 Farringdon Road, London, E.C.1, have introduced a new range of toothbrushes described as Pedigree. There is a large and varied selection to suit everybody's requirements. There are also three designs of denture brushes. A useful and attractive show stand can be supplied in Standard or De Luxe ranges, this being given free with certain orders for assorted brushes.

NEW EVANS PRODUCTS.—Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, announce the introduction of Streptocide (*p*-aminobenzenesulphonamide) as a double strength tablet to meet the demand from hospitals and medical men. These products are issued in strengths of 0.25 gm. and 0.5 gm. in bottles of 25, 100 and 250. Reduced prices of Gastrexo came into force on May 5. There are three sizes issued, namely, 4 oz., 8 oz. and 16 oz. bottles.

LACTATES AND GLUCONATES.—We have received from Howards & Sons, Ltd., Ilford, literature drawing attention to lactates and gluconates. The brochure on lactates gives an interesting account of the various uses of lactates in food in medicine and pharmacy generally. The technical staff of Messrs. Howards is prepared to give advice on application. The attention of users of calcium gluconate is directed to Messrs. Howards' product which has been introduced as a result of important and less costly methods of manufacture. It has certain advantages over calcium lactate, and these are outlined in a leaflet together with a description of gluconic acid. Further particulars may be obtained on application.

Business Changes

MR. JAMES C. ROBERTSON, chemist and druggist, who has taken over the business formerly carried on by Mr. William Gray, chemist and druggist, 165 High Street, Musselburgh, will continue to trade under the name of William Gray.

JAMES O. CHISHOLM, LTD., 204 Bath Street, Glasgow, have taken over the business of the late James Oliver Chisholm, chemist and druggist, 42 Woodlands Road, Glasgow, and recently carried on by his executrix, Mrs. F. C. M. Chisholm.

STOWER & DUBINSKI (sole concessionaires in the United Kingdom for Perfumes & Cosmetics Forvil (Paris) and Tooth Paste Dr. Pierre (Paris)) have moved from 43 Marylebone Lane, London, W.1, to 8 Park Road, Regent's Park, N.W.1. Telephone: Paddington 2172.

Coming Events

This section is reserved for advanced notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, May 17

Paisley and District Chemists' Association, Y.M.C.A. Rooms, Paisley, at 8 p.m. Annual general meeting.

United Commercial Travellers' Association, Town Hall, Cheltenham. Annual conference, continuing on May 18 and 19.

Wednesday, May 19

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 12 noon. Annual general meeting and election of councilors and auditors.

Friday, May 21

Chemical Society, Newcastle and Durham Branch, Chemistry Lecture Theatre, Armstrong College, Newcastle, at 6.30 p.m. Sir John Russell, O.B.E., D.Sc., F.R.S., on "Chemistry in Food Production" (Bedson Lecture).

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1937, p. 338.

(From "The Trade Marks Journal," April 21, 1937.)

- "LEDURA"; "FARROITE"; for all goods (1). By R. J. Hamer & Sons, Ltd., 2 Miles Road, Mitcham, Surrey. 574,891/897.
- "MACJAK"; for all goods (1). By MacArthur & Jackson, Ltd., 96-98 Dobbie's Loan, Glasgow. 575,709.
- "FLAZ/POL"; for photographic chemicals (1). By Mid-Kent Products Co., Larkfield, Kent. 575,776 (Associated).
- "AGFAPAN"; "IGEPAL"; for all goods (1). By I. G. Farben-industrie A.-G., Grüneburgplatz, Frankfort-on-Main, Germany. 575,858/575,880. (Associated.)
- Picture of a dairymaid; for veterinary chemicals, etc. (2); for medicinal chemicals, excluding soap (3). By F. Hewthorn & Co., Ltd., Cook's Road, London, E.15. 573,495/496. (Associated.)
- "CARBALPINE"; for disinfectants (2). By Hull Chemical Works, Ltd., Kirkby Street, Kingston-upon-Hull. 573,282. (Associated.)
- Label design for "POLTIPLASTA"; for medicated veterinary preparations (2). By F. Hewthorn & Co., Ltd., Cook's Road, London, E.15. B574,464.
- "INGELHEIM" with diagram; for medicinal chemicals (3). By C. H. Boehringer Sohn A.-G., Bingerstrasse 173, Nieder-Ingelheim, Germany. 574,772.
- "SUPRARENIN"; for astringent, analeptic and haemostatic medicines for human use (3). By Bayer Products, Ltd., Basinghall Street, London, E.C.2. B571,611.
- "ARTHRAKINE"; for all goods (3). By International Laboratories, Ltd., 30 Smedley Street, London, S.W.8. 573,551.
- "AELUKIN"; for medicinal chemicals (3). By Naamlooze Vennootschap Amsterdamsche Chininefabriek, De Wittenkade 48-50, Amsterdam-W, Holland. 575,413.
- "RUBANTHEM"; for medicated herbal preparations for beverages (3). By J. L. Bradley, 212 Uppingham Road, Leicester. 575,599.

Marriages

COLLINS—MECOY.—At St. James's Church, Milton, Portsmouth, on April 24, Arthur Collins to Molly Georgina, only daughter of Mr. H. A. Mecoy, M.P.S., vice-president of the Portsmouth Chemists' Association.

FOWLDS—KENNY.—At St. Mary's Church of Scotland, Kirkcudbright, on April 28, William Lyndon Fowlds, B.Sc., Ph.C., Keighley, to Margot Lambton Kenny.

O'MAHONY—WRIXON.—At St. Michael's Church Kingstown, Dublin, recently, James O'Mahony to Mary Wrixon, M.P.S.I., Mallow.

Deaths

EVANS.—At 26 Dafforne Road, Balham, London, S.W.17, on May 7, Mr. J. J. Evans, for fifteen years London representative of Robert Ferber, Ltd., medicinal capsule and lozenge manufacturers, London, S.E.15.

GRIMSHAW.—On May 7, after a long illness, Alderman William Henry Grimshaw, M.P.S., Blackburn, aged seventy. Alderman Grimshaw was apprenticed to the late Mr. W. Wells, chemist and druggist, Higher Eanam, and after qualifying in 1889 commenced business on his own account in Darwin Street, where he remained until 1920. In 1908, he purchased the business of his former apprentice-master, Mr. Wells, on the latter's retirement. In pharmaceutical affairs he had held the office of treasurer and president of the North-East Lancashire Chemists' Association and had served for many years on the local Insurance Committee. It was not until 1917 that Alderman Grimshaw commenced to take an active part in local Government affairs. In that year he was elected to the town council, and became an Alderman in 1928. It was in the sphere of education that he rendered his greatest service to municipal affairs, and he filled the office of vice-chairman of the Education Committee for a number of years. Other offices which he held were those of vice-chairman of the Electricity Committee and chairman of the Sewage Committee. Alderman Grimshaw was an enthusiast in almost every form of sport, curling being one of his favourite pastimes, and he was included in the Blackburn Caledonian team which won the Meggatt Memorial Shield. For many years he was a director of Blackburn Rovers Football Club. The funeral service at Blackburn Cathedral on May 10 was largely attended. Among those present were the Mayor (Councillor W. Hammond, J.P.), members of the town council, the Insurance Committee, local football clubs, and other organisations. Among the pharmaceutical representatives were Messrs. Atherton, Eccles, Gillybrand, Dobson, Carter, Lightfoot, Isherwood, Holt, and Fred Law.

TAYLOR.—At 81 St. Anne's Road East, Lytham, on April 29, Mr. Joe Harry Taylor, J.P., chemist and druggist, aged seventy-two. Mr. Taylor went to St. Anne's in 1890 and carried on the St. Anne's Pharmacy, originally in partnership with Mr. Richardson, later on his own account. Prominent in public affairs, he was chairman of the Lytham Schools Foundation and of the governors of the St. Anne's War Memorial Hospital. He had also been a county magistrate for twenty years, and a member of the old St. Anne's Council for twelve years. Mr. Taylor is survived by a widow and three sons.

Recent Wills

MR. CHARLES KENT, 5 Midfield Parade, Barnehurst, Kent, and formerly of Dartford, chemist and druggist, who died on December 6, aged sixty-one, left estate gross value £1,893, with net personality £512.

MR. LESLIE NEWBIGIN, Ph.C., Percy House, Alnwick, Northumberland, who died on January 24 last, aged seventy-nine, of J. L. Newbiggin & Son, Ltd., chemists, left estate gross value £1,547, with net personality £1,215.

MR. JOSIAH BLACKWELL, 6 Belle Walk, Moseley, Birmingham, pharmaceutical chemist, chairman of Blackwell, Hayes & Co., manufacturing chemists and druggists, who died on February 3 last, aged eighty-three, left estate gross value £51,467, with net personality £51,347.

Personalities

MR. JAMES DAVID HOWARD has been elected a member of the Board of Howards & Sons, Ltd., Ilford. He is the elder son of Mr. Bernard F. Howard, and a great-great-grandson of the founder, Luke Howard, F.R.S.

MR. E. Q. LAWS, B.Sc., who was successful in passing the recent examination for the Fellowship of the Institute of Chemistry, is the youngest son of Mr. J. J. Laws, M.P.S., 285 Brompton Road, South Kensington, London, W. Mr. Laws, jun., is an analytical chemist in the Government Laboratory.

PHARMACY was well represented at the annual conference of Rotary International (R.I.B.I.), held at Bournemouth from April 30 to May 4. Among those present were:—Messrs. S. R. Simnett, Beckenham; E. A. Bailey, Boston, Lincs; F. E. Bilson, Bournemouth; E. A. Neill, Colwyn Bay; S. S. Dunn, Deal; C. Weston, Derby; A. G. Tilley, Farnham; R. Roberts, Frome; H. Whitehead, London, E.5; E. W. Skyrme, Hastings; W. G. Jenkins, Hayes; G. S. Ball, Heanor; J. M. Hughes, High Wycombe; H. S. Durbin, Kingston-on-Thames; W. C. Sayers, Lewisham; C. G. V. Bellamy, Oxford; H. C. Davies, Rhyl; W. Morrell, Richmond; P. Davy, Rotherham; B. P. Priest, Rowley Regis; Ernest Skues, London, S.W.; W. Gray, Walthamstow; E. Widgery, Weston-super-Mare; and P. D. Nowell, Willesden.

MISS E. B. BLUNDELL, the newly-elected president of the National Association of Women Pharmacists, served her apprenticeship in Liverpool with the late Dr. Charles Symes, Ph.D., Ph.C. Miss Blundell qualified in 1917 after training at the Liverpool College of Pharmacy. For two years after qualifying she did locum work, and in 1919 she was appointed assistant pharmacist to the Brompton Hospital for Consumption and Diseases of the Chest. In 1933 she was appointed to her present post as chief pharmacist to the South London Hospital for Women, where, also, she edits the hospital magazine. Miss Blundell has served as a member of the Council of the Guild of Public Pharmacists and has been a member of the Committee of the National Association of Women Pharmacists since 1924. In 1932 she was elected treasurer, and in 1935 she became vice-president.



MISS E. B. BLUNDELL

THE list of Coronation honours contains the following of special interest to the drug trade:—**Baron**—Right Hon. Christopher Addison, M.D., B.S., F.R.C.S., First Minister of Health, 1919-1921; **Privy Councillor**—Edward Leslie Burgin, LL.D., M.P., Parliamentary Secretary to the Board of Trade since 1932; **Baronets**—Right Honourable Sir Richard Dawson Bates, O.B.E., D.L., Minister of Home Affairs, Northern Ireland; Captain Sir William Edge, J.P., M.P. (W. Edge & Sons, Ltd.); Sir Cuthbert Sidney Wallace, K.C.M.G., C.B., M.B., B.S., F.R.C.S., president of the Royal College of Surgeons; **Knight Bachelor**—Arthur Frederick Hurst, D.M., F.R.C.P., senior physician to Guy's Hospital; **Order of the Bath (G.C.B.)**—Edward Mellanby, M.D., F.R.C.P., F.R.S., secretary, Medical Research Council; **Order of the British Empire (D.B.E.)**—Mrs. Geraldine Southall Cadbury, J.P. (C.B.E.)—Walter Carter, assistant secretary, Board of Trade; Walter Alexander Magill, I.S.O., secretary, Ministry of Home Affairs, Northern Ireland; (O.B.E.)—Hugh Nicholas Linstead, secretary and registrar of the Pharmaceutical Society of Great Britain; William George Walder, principal, Statistics and Information Department, London Chamber of Commerce. **Imperial Service Order**—Andrew More, A.R.C.S., F.I.C., Deputy Government Chemist; **British Empire Medal**—Frederick Edward Bullen, pharmacist, H.M. Prison, Brixton.

A GOOD COMPANION
FOR GLOBE-TROTTERS

"John Bell" Brand TRAVEL SICKNESS REMEDY

1/3 boxes 8/- doz. 2/- boxes 13/- doz.

JOHN BELL, HILLS & LUCAS LTD.,
Oxford Works, Tower Bridge Road, London, S.E.1

A WORD OF CAUTION **'LUMINAL'**

(Our Registered Trade Mark)

When 'Luminal' is specified on any prescription, the Chemist is legally bound to supply the Original product. Substitutes are liable to give different clinical results from the Original. In order to safeguard doctors and patients we shall protect our Trade Mark rights by vigorous action.



BAYER PRODUCTS LTD.
AFRICA HOUSE, KINGSWAY, LONDON, W.C.2

C. & D. Stock-Taking Pads

Half the Labour of Taking Stock
Price of Complete Pad, 2/6 post free

The Chemist & Druggist, Publications Dept., 28 Essex St., London W.C.2
STPS

Wyleys

COVENTRY

BISMUTH AND MAGNESIA TROPELS

(Registered)

Containing Bismuth, Magnesia, Pepsin, Bicarbonate of Soda and Peppermint, 7 lbs., 2/9 per lb.; 14 lbs., 2/8 per lb.; 28 lbs., 2/7 per lb.; 1 cwt., 2/6 per lb.

Envelopes and Cartons free with all orders.
Handsome coloured showcards on application.

AFTER INFLUENZA TAKE

MALT AND MARROW

A combination of RED BONE MARROW and Fluid Extract of ENGLISH MALT with Glycerophosphates

A valuable nutritive and digestive tonic.

DOSE:

For Children under three years one teaspoonful in water or milk; for older Children and Adults, two or more teaspoonsfuls

12oz. Bottles 24/- per doz.

On the "Chemists' Friends" List

EXTRA
RECTIFIED

Write for Prices

JAS. BURROUGH Ltd. 1, Cale Distillery,
LAMBETH, S.E.1

ALCOHOL

FOR

PERFUMERY

(Regd)

Felsol BRAND POWDERS

for

Asthma

Continuous Propaganda conducted
with the Medical Profession.

P.A.T.A. terms upon request.

BRITISH FELSON COMPANY, LTD.
15 CAROLINE STREET, LONDON, W.C.1

"A Handbook to Pharmacy"

by William Kirkby, M.Sc., Ph.C.

An important addition to the C. & D.
business library for Chemists

"The Script" says:—"An epitome of information which is spread over numerous other works. The book appears to be designed with the idea of giving the salient facts relating to all sides of pharmacy rather than to expound the whys and wherefores. It is thus a book that is the key to others on pharmacy, including the Pharmacopœia. It is really a *multum in parvo* of facts and should be on the desk—not the shelves—of every pharmacist."

You can secure a copy for 5/4d. post free

Order from

The Publisher, **THE CHEMIST AND DRUGGIST**

28 ESSEX STREET, STRAND
LONDON, W.C.2

HP 2

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

S/11. Anestonal

B/27. Reball capsules

R/10. Contrain (or Coutrin)

H/10. Rio-Slim

D/11. Embrolin

E/11. Vitamina tonic (Dr.

Paulina)

CHEMIST AND DRUGGIST

VOL. CXXVI.

May 15, 1937

NO. 2988

This Retail Election

SELDOM, if ever, has so much publicity been directed by candidates for election to the Pharmaceutical Society's Council to their association with the retail trade, almost as if this were in itself a sufficient qualification for a seat on the Council. It is, of course, not surprising in view of the fact that the retailer is in the majority among members of the Pharmaceutical Society, and as he has to pay a yearly subscription, he is beginning to have more interest in those who are responsible for using the monies received. Those members who intend to exercise their right to vote, and it is to be hoped that not even the Coronation celebrations will divert the attention of the pharmacist from this important duty, should remember that chemists in other branches of pharmacy—wholesale, public services and so on—have graduated from the ranks of the retail trade, and additional experience in the other branches of pharmacy should in the ordinary way be considered assets and not liabilities. A Council composed entirely of retailers might be of some benefit, but it would almost certainly mean that pharmacists in the wholesale and in the public services would form other bodies to look after their own special interests, and pharmacy generally would undoubtedly suffer. Retail pharmacy should obviously have a preponderance on the Council, but if unity is to be preserved and used for the good of all, representation of the other sections of chemists is essential.

In reviewing the election addresses which have appeared in THE CHEMIST AND DRUGGIST, there is little evidence of the majority of candidates having a concrete plan for the betterment of pharmacy. In their programmes, there is practical unanimity in the desire to reserve dispensing for chemists. The acceptance of the terms under the National Health Insurance scheme at its inception on quixotic terms was induced by the suggestion of the leaders of pharmacy of the time that ultimately the medical profession would relinquish dispensing in favour of pharmacy. After twenty-five years this reservation seems to be as far away as possible. The medical profession do not seem to have any intention of giving up their right to dispense.

There are a few candidates who do not accept the view that the Council should consist exclusively of retail chemists, and the electorate would be well advised to pay careful attention to the claims they make; also to the reaction on their businesses were dispensing eventually reserved to the chemist. A definition of what is the status of the pharmacist is wanted, and there are one or two candidates who draw attention to this point. A new Pharmacy Bill is urged by several contestants, and here again there are considerable difficulties to be overcome before such a Bill becomes a possibility. If it were a Government measure, then it might stand a chance; but the trade has recently experienced what effect a Government measure can have; we have also seen what can happen to Private Members' Bills, and few private members are likely to take up the cudgels on behalf of so small a body of electors as the pharmaceutical community, when there are much larger questions to be discussed which are ignored so frequently.

It would be an easy matter for electors to select councillors if constructive programmes were put before them. If the majority of chemists desire reservation of dispensing, then they will vote for those who promise to work towards this end. No one, however, apart from suggesting a new Bill, has put forward a scheme as to how it is proposed to wrest this privilege from the medical profession. It savours of the incident famous in Scottish history of "who will bell the cat." Some of the candidates do not seem too clear on the dissociation between the Pharmaceutical Society's work and that of the National Pharmaceutical Union. The Pharmaceutical Society's Council, so far as we are aware, may not interfere with business matters, yet we find several candidates who proclaim their adherence to the Chemists' Friends scheme, which is outside the purview of the Society.

With regard to the election, owing to the death of Mr. Simmons, there are now eight vacancies to be filled, but it is understood that a member will be co-opted by the Council at the June meeting in accordance with custom and that the present election of seven members stands. With regard to the candidates themselves, Mr. Marns has with general agreement proved to be one of the successful presidents of recent years. In his statement of policy, he points out that pharmacy is passing through a very difficult phase. It is all the more reason, therefore, why Mr. Marns should not only be returned as a member of Council, but that he should carry on as president for another year. It seems unfortunate that a habit seems to have been established of retaining a president of the Society for one year only; it is not enough if the president is to be more than a figurehead, and it would undoubtedly strengthen the Society were the president, provided he had the necessary qualifications and gifts, to retain his presidency for a longer period. Pharmacy was strong in the days when presidents were re-elected for a number of years, and it would, in the view of many who are qualified to speak, improve the position of pharmacy immeasurably and act as a brake on schemes which are of little value to retailers who especially now require guidance and support. Mr. Skinner, who has enjoyed the confidence of voters of all branches of pharmacy for twenty-one years, needs little introduction. He points out that he has no use for sectional interest, and this is undoubtedly a strong point in his favour, as pharmacy cannot afford to put forward sectional interests in favour of the craft as a whole. His suggestion that we take stock of our present position before starting out on new adventures is eminently sound. He has been a courageous critic of pharmaceutical actions for many years, and has maintained an independence of outlook which will commend him as an efficient mentor and guide to the newer men who are now entering official pharmacy. Mr. Saville Peck has aimed high in educational matters for the pharmacist, and the pharmacist to-day has attained a level of education which seems at any rate adequate. In fact, the question which troubles the newly-qualified pharmacist is how to use it. The addresses of the other three retiring members of the present Council have also appeared. Mr. Antcliffe, although retired from active work in public pharmacy, has still an interest in that he is secretary of the Sheffield Branch of the National Pharmaceutical Union and secretary of the local Pharmaceutical Committee. He has unfortunately undergone a serious operation, from which, however, we are glad to learn he is recovering. Mr. Antcliffe has never sought the higher positions on the Council. Mr. Culbert has hardly had an opportunity to show his mettle,

but his address contains certain points which suggest that he has views of his own which, if supported, might be of considerable interest and value to the trade. According to Mr. Beardsley's election address, he wishes the whole question of the charter reviewed, and emphasises the point that he has no interest in any financial group for the trustification of pharmacy, but has accepted the managing directorship of an established business with a number of pharmacies; also, he considers that he may best serve pharmacy by an active participation in it. Of the new aspirants to the Council, Mrs. Irvine's claims should warrant a careful and sympathetic consideration, not only because she is the one woman candidate, but because of her unique association with a branch of pharmacy, that is to say, as the superintendent of the National Health Insurance Pricing Bureau for the South-Eastern Division of England. With her intimate association with N.H.I. finance, Mrs. Irvine would undoubtedly be an acquisition to the Council on the finance committee. It is noteworthy that the question of finance is hardly dealt with at all by any of the candidates, although the income and expenditure of the Council have grown enormously. With such a colossal income as is now enjoyed by the Society, there should be something earmarked for furthering the interests of members, especially since there are so many other ventures which claim no small amount of the income and which show few results of any concrete value to the trade. Mr. Yeomans has been adopted by the Birmingham Association, and he has the reputation of showing considerable enthusiasm in pharmacy, and has also the advantage of being relatively young. If changes in Council are essential, and this matter must be left to the decision of the electorate, it is obvious that the control of pharmaceutical matters to-day is essentially the job for the younger generation. There is little space to comment upon the addresses of the other candidates. Mr. Collins aspires to pharmaceutical honours at a time of life when a man is usually considered to have fixed ideas. Mr. Wilson's address must be left to speak for itself. Mr. Clarke explains that his candidature is entirely independent but appears to add little to what has already been said by other candidates. In addition to Mr. Wilson, Messrs. Manton, Mawer and Wallis are, we understand, the candidates selected by the Oldham National Pharmaceutical Committee. Mr. Laws and Mr. Percy Barrs are to be congratulated on their tenacity of purpose in seeking election on so many occasions.

Our Trade with South Africa

THE annual statement of the trade of the Union of South Africa for 1936 reflects the present period of prosperity of the country. The total value of imports of merchandise and specie from all sources was £86,299,361 (£75,325,920 in 1935) and exports were valued at £114,168,233 (£102,343,614 in 1935), the chief commodity shipped being gold to the amount of 11,666,678 fine ounces, valued at £81,801,421. The value of United Kingdom merchandise shipped to the Union in 1936 was £36,635,850 or 45·2 per cent. of the total, compared with 48 per cent. in 1935 and 48·1 per cent. in 1934. America improved her shipments from 16·9 per cent. of the total imports in 1934 to 19·6 per cent. in 1936, with an aggregate value of £15,927,157. The other chief suppliers of South Africa's requirements in 1936 were Germany, £4,301,909 (5·3 per cent.); Japan, £3,065,329 (3·8 per cent.), and Canada, £2,882,089 (3·6 per cent.). Imports of drugs, chemicals and fertilisers from the United Kingdom in 1936 were valued at £1,502,442

or 48·2 per cent. of the total of £3,115,370. South Africa's shipments, exclusive of gold, totalled £26,517,200, of which the United Kingdom took £11,387,089 or 43 per cent. All shipments of gold (£81,801,421) were destined for the United Kingdom. South Africa's chief foreign customer in 1936 was France, who took merchandise to the value of £2,843,336 or 10·7 per cent.

The following particulars of imports of products are taken from the schedule of imports of "Drugs, Chemicals and Fertilisers." Citric Acid: 243,115 lb. (U.K., 190,829 lb.; Belgium, 28,378 lb.). Tartaric Acid: 352,227 lb. (U.K., 100,667 lb.; Germany, 215,859 lb.; Spain, 27,258 lb.). Extracts for perfumery: £708 (U.K., £292, and Holland, £330). Medicinal preparations: £361,482 (U.K., £218,579; France, £9,723; Germany, £66,860; Switzerland, £2,510, and U.S.A., £59,715). Animal Glands and Vaccines: £41,994 (U.K., £20,939; Germany, £9,115; U.S.A., £7,508). Medicated Oils: £6,045 (U.K., £94; U.S.A., £3,403; Russia, £935, and Germany, £901). Perfumery and Toilet Preparations (non-spirituos): £203,586 (U.K., £128,229; U.S.A., £55,152; France, £13,851, and Germany, £2,615). Tooth Powder, Pastes and Washes: £96,826 (U.K., £66,830, and U.S.A., £29,508). The details of the sources of supply for products of the pharmaceutical, perfumery and cosmetic trades indicate that our chief competitors for pharmaceuticals are Germany, America, France, and Switzerland, while in the cosmetics and toilet preparations section America is the only serious competitor to British goods.

The Chain Store "Octopus"

WE have received from a Scottish correspondent a list of forty-eight towns in which private businesses have been purchased or opened, as the case may be, by chain stores and co-operative societies. In addition he states that there are many others. In these days of what has been described as the "trustification of pharmacy," our correspondent informs us that all areas are feeling the inroads of chain stores and co-operative society branches keenly. He further fears that ultimately the private chemist as he exists to-day will no longer be able to continue in pharmacy except as a manager. Although it is not desirable to accept this gloomy view in its entirety, yet it is a thought disturbing not only to the individual pharmacist but also to the wholesaler to imagine that a chemist's business is more successful financially when conducted by chain-store companies than by the average retailer. Yet every shop must be in the charge of a qualified chemist, and the question as to why company chemists succeed so well would form an interesting topic of discussion. The question of finance is, of course, the most important aspect, but there is another point which is admirably brought out by a perusal of some of the most important London newspapers this week. A well-known chain-store company has occupied full pages of these newspapers with an announcement as to the emergency services to the public on Coronation nights. This is an excellent example of modern advertising, and the chemist who sees this emblazoned in his paper may well ask himself why is there no story told of his perennial service to the public in that he is at the service of the public every day of the year. Coronation or no Coronation, he provides Sunday duty and is ready at any time of the night as well if called upon. There is, of course, another side to this clever propaganda work, and it is that in many districts where no such emergency work is undertaken, the chemist has his opportunity of supplying the needs of the public when the occasions arise.

Council Candidates

IN our issues of May 1 and May 8 we published the statements, with portraits and brief biographies, of eleven of the sixteen candidates contesting the seven vacancies on the Council of the Pharmaceutical Society. We now conclude the series. The poll closes at noon on May 19.

Mr. Herbert Skinner, Ph.C.,

was first elected to the Society's Council in 1916. He has been chief pharmacist for forty-one years at the Royal Northern Hospital, Holloway, N., which is one of the best known among non-teaching hospitals. Mr. Skinner is a Lincolnshire man.

He was apprenticed in Nottingham, and had subsequent experience in Sheffield, Burton-on-Trent, Worthing, and London. He passed the Qualifying examination in 1891, and afterwards the Major when he was engaged in the dispensary at Guy's Hospital. He accepted some years ago the secretaryship to the trustees of the Fairchild Scholarship and reorganised it on its present basis. He has been the honorary secretary of the North London Association since its inception in 1912. He has for two periods been vice-chairman of the London Pharmaceutical Committee; he is also a member of the Middlesex

Pharmaceutical Committee, of which he has acted as chairman for five years. Drug-trade sports and those of the British Pharmaceutical Conference owe much to Mr. Skinner, the sports day of the Conference having firmly established itself as one of the prime features of that week's events. In 1926 he was elected vice-president of the Pharmaceutical Society, and he held office as president in 1927-29. Mr. Skinner was chairman of the British Pharmaceutical Conference in 1932, and helped to make history in focusing attention on the pharmaceutical service in hospitals. He has visited the United States and Canada twice in the interests of pharmacy, and on the last occasion (in 1932) was elected an honorary member of the American Pharmaceutical Association at the Toronto Conference. He is also an honorary member of the Pharmaceutical Society of Northern Ireland. Mr. Skinner writes:—

Twenty-one years ago I blazed the trail in a Council election for progressive pharmacy: I stood as a hospital pharmacist, and in a leader in THE CHEMIST AND DRUGGIST it was stated that I was the first hospital pharmacist to be elected to the Council. I have retained the position ever since with greatly increasing majorities. By that I assume I have not done my job badly. I have only one retail interest, which is to help in her business the widow of an old colleague who was with me on the Council. I am still a practising pharmacist in the hospital service, but my work and all my endeavours for progress in pharmacy must be and are for pharmacists as a whole: I have no use for sectional interests. My years of service for pharmacy have been well recorded in your columns and need no reiteration.

I am still a progressive in pharmacy. One of the first things I want now is to take stock of our present position and make the findings a base on which to build something better. The Select Committee on Medicine Stamp Duties revealed to me that somehow we had failed to cultivate public opinion. We shall never get anywhere without it, and our first duty is to educate it more into sympathy with pharmacy. We could very well do with a public relations officer with a nose for news, and refrain from hiding our light under a bushel. The laws, regulations and pronouncements affecting pharmacy during the last ten years have become bewildering in their changes and additions. We need to consolidate the lot and throw off those

ancient shackles which at present cripple our activities. A new and well-thought-out Pharmacy Bill is overdue, but before we think of challenging our fate again in Parliament let us cultivate public opinion. When the suitable moment arrives, may we be sufficiently courageous to take action. Then there is finance: it is always with us, and though a system of yearly estimates has been introduced I am still disturbed over the continued growth of internal expenditure compared with the results.

We talk of reservation of pharmacy for the pharmacist: it will never be a gift but is something to work for. It is not so many years ago that in hospitals we faced the same problem. Public opinion was cultivated in our favour, and what pharmacist was not thrilled when the London County Council, throughout all its hospitals, put its seal upon pharmacy for the pharmacist? That was a job well and truly done: others can do likewise. Truly, I have only one policy and that is co-operation with all practising pharmacists for the betterment of pharmacy.

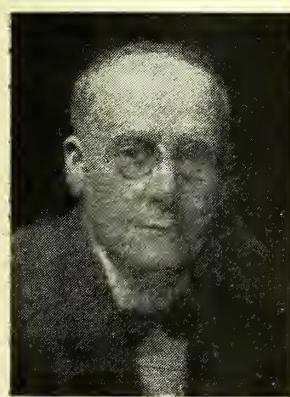
Mrs. Jean K. Irvine, M.B.E.,

served her apprenticeship in pharmacy to Mr. Thomas Maben, Ph.C., Hawick, who wrote a cordial appreciation in THE CHEMIST AND DRUGGIST on the occasion of her previous candidature. She had further retail experience in Glasgow and a period of hospital dispensing, both of which contributed to her success as superintendent of the National Health Insurance Pricing Office for the South-Eastern Division of England. Mrs. Irvine has been president of the National Association of Women Pharmacists, after serving as secretary for three years; she is also a past-president of the Insurance Committee Officers' Association for England and Wales, and takes an active part in other administrative work in connexion with National Health Insurance. Her lecture on "The Part the Chemist Plays in National Health Insurance" has set forth with admirable lucidity the position of chemists in the scheme set up by the N.H.I. Acts and Regulations. Mrs. Irvine sends us the following notes in amplification of the election address that she is circulating:—

In connexion with the reservation of dispensing, I should like to point out that in no other country of Europe—excepting one of the cantons of Switzerland—is the same person allowed to prescribe and dispense and, if the sick person dies, sign the death certificate. Acts of Parliament are framed to safeguard the interests of the public and not that of any trade or profession, so pharmacists who wish the present condition of affairs changed should do their utmost to influence public opinion against this practice.

It should be the aim of the Pharmaceutical Council to make known to the public something about the training and the functions of the pharmacist; highly trained pharmacists are a public necessity. With the recognition that a specialised training is essential in the interests of the public, there should also be adequate remuneration for the services rendered. For the last twenty years my work has been connected with National Health Insurance; during that time I have been responsible for the pricing of over 100,000,000 prescriptions and for the payment to chemists of over £3,500,000.

What pharmacy needs most at the present time is foresight to prevent this continual attack and undermining of our privileges, collaboration of all branches of pharmacy so as to present a united front, and above all education of parliamentarians and the public as to the training and qualification of pharmacists so that they may take their proper place in the social services of the country.



MR. H. SKINNER, PH.C.



Photo] [Gregory
MRS. JEAN K. IRVINE, M.B.E.

Mr. Herbert Antcliffe

is one of the six councillors who offer themselves for re-election. Mr. Antcliffe's service on the Council dates from 1921, when he was co-opted to fill a vacancy caused by the death of Mr. J. W. Deakin. A native of Eckington, Derbyshire, Mr. Antcliffe was educated at Camm's Endowed School and at the Royal Grammar School, Sheffield. He was apprenticed in the old business of Maleham & Sons, and passed the Qualifying examination in 1891. He has had experience in every class of provincial pharmaceutical work. Mr. Antcliffe has been a member of the Court of Governors of Sheffield University for several years. He has been connected with the Sheffield Pharmaceutical and Chemical Society for many years in an official capacity, and is a past-chairman of the local Branch of the Society; when the British Pharmaceutical

Society met at Sheffield in 1904 he was the local secretary. Though he has retired from active work in public pharmacy, he is secretary of the Sheffield Branch of the Retail Pharmacists' Union and secretary of the local Pharmaceutical Committee. Mr. Antcliffe has occupied a responsible position on the Council of the Pharmaceutical Society as chairman of the Law Committee. He is also a member of the Sheffield Rotary Club. During the past few weeks he has undergone a serious operation, from which, we are glad to learn, he is making an excellent recovery. Mr. Antcliffe's policy is indicated in the following summary:—

He is strongly in favour of making a combined effort to secure Government aid in introducing a Bill into Parliament with the object of rectifying some of the injustices that chemists have suffered for so long, and with the further object of placing them in their rightful position in the medical services of the country. When Mr. Antcliffe first joined the Council he was in favour of territorial representation. He is not now certain whether the majority of members of the Society desire it; but if this is their decision after full consideration, he is prepared to support it. He appeals to his record of public service on the Council and elsewhere.

Mr. G. R. Knox Mawer

was born in Boston in 1889. He served a four-years' apprenticeship to his uncle, Mr. W. F. Mawer, Ph.C., Kennington Road, London, S.E., who was at that time a demonstrator at Muter's College of Pharmacy; after studying at the Manchester College of Pharmacy he qualified in 1910. Situations in Manchester, Stockport and Llandudno afforded distinct types of experience, whilst since 1914 he has been associated with his present firm, L. Rowland & Co., Wrexham. He may therefore claim an intimate practical knowledge of the four main types of pharmacy—London, seaside, industrial and country practices. He has always been keenly interested in the welfare of pharmacists as a body, having been a member of the Denbighshire Pharmaceutical Committee since



[MR. G. R. KNOX MAWER]

1921, secretary since 1930, secretary of the local branch of the Pharmaceutical Society, and member for the Western division of the National Pharmaceutical Union. He is, in addition, a founder member of the Wynnstay, Bromfield, and



MR. H. ANTCLIFFE

Yale Lodges, the first W.M. of the Yale Lodge, the Provincial Junior Warden of the Province of North Wales, a Past Master of six Masonic Lodges, and a member of the Wrexham Rotary Club. Keenly interested in educational matters, he is a governor of the Wrexham County School for Boys and Girls, chairman of the Wrexham Branch of the Y.M.C.A., and the immediate past-president of the Welsh and North Wales Hockey Association. Mr. Mawer writes:—

I have accepted nomination because I consider the efficient representation of any considerable body of men and women should be embodied in an individual who can claim to have a thorough and practical knowledge of the needs and difficulties of every member whom he has the privilege of representing. To possess this knowledge, not only is it necessary that he should have had a varied experience, but, in pharmacy, he should have had it especially during the last few years, when fresh situations and irritating difficulties have arisen which make it imperative to take some action. The whole of my thirty years of pharmaceutical life has been spent in retail pharmacy—behind the counter—and I am therefore well acquainted with the daily difficulties of retail pharmacy.

The anomalies of the new poison laws, and the unfriendly attitude of the Select Committee on medicine-stamp duties, plainly exemplify the need of a greater quota of practising pharmacists in the Council than at present exists. The sale of substances in the First Schedule for the treatment of animals, without even being either an authorised or a listed sale of poisons, is simply appalling, and is viewed with grave misgivings by all, especially the country pharmacists.

I am strongly in favour of a high standard for new entrants. The Society's policy must continue to advance with the progress of our times, and every effort must be made to have biology taught in all our secondary schools. I consider the Society should have headquarters adequate and worthy of the profession, and I warmly support territorial representation.

The Chemists' Friends scheme has my whole-hearted support, since if maintained it will undoubtedly put a stop to the increasing encroachment upon our profession.

Mr. William Spence Culbert

commenced his pharmaceutical career over forty years ago in Kilmarnock (the largest town in Ayrshire), and afterwards served for four years with the late Mr. John Foster, Sauchiehall Street, Glasgow.

He attended classes at the Glasgow School of Pharmacy under the late John Lothian, and qualified in 1901. After about ten years' experience, first as assistant and afterwards as manager, he acquired the business of the late John Harvie of Airdrie, in 1911, where he still carries on a pharmacy. On the formation of the Glasgow and West of Scotland Branch of the Pharmaceutical Society, Mr. Culbert was elected to the Committee; in 1929 he became chairman of the Branch, which office he held for three years. He has been a member of the North British Executive for ten years and is at present vice-chairman of that body. He has been a member of the National Council of the Photographic Dealers' Association for over six years, being one of the two representatives from Scotland, and he is at the moment president of the Glasgow Branch of the Photographic Dealers' Association. Mr. Culbert was, for many years, a member of the local School Management Committee. He also served for three years on the Airdrie Town Council—the last year as Dean-of-Guild. During his term of office he was instrumental in having the public assistance dispensing transferred from the doctors to the chemists. He is chairman of the local Executive Council of the Airdrie Mutual Service Club, and a member of the Airdrie Merchants' Association's Executive. Mr. Culbert writes:—

I have been interested and, indeed, actively engaged in pharmaceutical politics for over twenty years, and for twelve



MR. W. S. CULBERT

years in succession was elected as a representative to the Conference by the Glasgow Branch and took an active part in the discussions. I am a member of the local Pharmaceutical Committee, and secretary of that body since its inception. I am also a member of the Lanarkshire Pharmaceutical Committee. My name was the only one put forward from Scotland to the Council of the Society as a successor to the late Mr. A. A. Dick. I feel that my administrative experience on other bodies, together with my knowledge of retail pharmacy, should enable me to become a useful member of Council. I have now attended six meetings of the Council and, as a member of the Finance Committee, I feel sure that the Council is doing the right thing in carrying out the new building scheme. The present quarters are totally inadequate, and the work should

be carried out more efficiently and expeditiously at the new headquarters without extra cost to the members. My business is situated in a town where the doctors do their own dispensing, and I have been doing my utmost to persuade the doctors to do their own job and allow the chemist to do his, believing, as I do, that all dispensing should be in the hands of the qualified pharmacists. Up till now, only one doctor has ceased to do his own dispensing, but I am not without hope of the others following suit. I feel that the Council should put forward a Pharmacy Bill, defining what is "the business of a chemist and druggist," which the Charter says should be protected. Any movement which has for its object the betterment of my fellow pharmacists will have my whole-hearted support.

Seen during a Stroll

IN the neighbourhood in which I vegetate—a good-class London suburb—there are quite a number of prosperous-looking chemists' businesses. The other day I set out to discover how the individual retailer and the chain-store merchant impressed their pharmaceutical qualifications upon the passer-by. It was something of a shock to me to find that out of a dozen windows inspected only one private chemist's had any indication whatever that he was a professional man. On the other hand, one firm of multiple chemists made a feature of dispensing from ingredients "tested and created in their laboratories." The solitary private chemist had a most effective display (which I had not seen before) consisting simply of a well-executed show-card intimating that he made a point of personal service backed by purchase of drugs and galenicals produced by a resourceful manufacturing organisation. The name of the suppliers was given as a guarantee of the reliability of everything sold and dispensed, and two wings to the central card gave illustrations of the manufacturing company's laboratories and processes. This man was making good use of his professional qualifications, and the fact that he specialised in optics (with a very attractive show of optical accessories in another window) further emphasised the professional note.

It seemed pathetic that the other pharmacists should be unable to rise beyond window displays of well-known toilet specialities, proprietary foods and things like that, which were to be seen in every other chemist's and likewise in the hairdressers' and departmental stores. Moreover, I came across, in a side "arcade," a brilliantly lit and attractive corner shop—or stall—running over with cut-price proprietary and toilet goods. The windows were effectively dressed and ticketed—everything being a penny or two less than ordinary prices, and the business being done was startling. Four girls in white overalls were kept busy all the time. I saw supplies being unpacked and handed out for dressing windows and showcases, and fell to wondering where it all came from and where the P.A.T.A. came in. How can the retailer hope to compete against that kind of thing and, knowing it, use valuable window display space in the way he does?

Various Features

One pharmacy in a popular location makes a feature of photographics and apparently does very well by it. A little further on I found another pharmacist who takes full advantage of his optical qualifications, and as a consequence suppresses the hackneyed display of lipsticks and perfumery. Near by I was arrested by an establishment, lavishly posted, advising me and others to "Save half your money by purchasing substitutes for various well-known proprietary medicines." This turned out to be one of the many businesses utilising the kudos resulting from the publication of the late Colonel Harrison's formulas in "Secret Remedies." This particular window was filled with formulas (printed on cards and well displayed) purporting to give the recipes for dozens of well-known proprietaries, and alongside each an alternative formula with the prices of the original and the "prescription number."

Across the way was a large departmental store with a drug department, and I called in to see what was doing in bargains in pharmaceuticals. The only "reductions" I could discover in the department were in toilet soaps, dusting powder, eau de Cologne and lavender water. Galenicals, as such, were apparently unaffected by bargain rates. But a few streets away one could purchase for the humble sixpence as varied a series

of household remedies of pharmaceutical origin as possible. In that establishment were huge and varied supplies of the cheaper sorts of practically every familiar brand of perfumery, face-cream and toilet speciality on the market. On the way home I had occasion to make purchase of a kitchen-utensil in aluminium, and found that I was in another hybrid establishment with a fully fledged dispensing department and its accompanying toilet sundries counter.

In another multiple-store branch I noted a small window calling attention to the dispensing department by the display of a pill-machine (hand), and in the rounder a supply of varnished pills. Beside the machine was a pill-box filled with the same pills with the lid just beside it labelled and ready for wrapping—a striking object-lesson in practical pharmacy. The most prominent of the windows in this shop was given over to "influenza" (then prevalent in the neighbourhood). The sequence and display of the appropriate remedies was attractive and convincing.

To me the moral of this casual survey seems to be that the pharmacist running his own business must forsake the doing-as-the-other-fellow-does attitude and emphasise more and more the professional qualification and the personal touch. That it can be made an economic success is quite evident from cases similar to those I have come across—that are to be found all over the country (o/327).

New Books

Year-Book of the American Pharmaceutical Association, 1934. 9 in. by 6 in. Pp. 468. American Pharmaceutical Association, Washington, D.C. [Volume 23 of a series. Contains, in addition to Association data, the 77th annual report on the progress of pharmacy; a collection of short abstracts on scientific subjects. The abstracts are classified under the headings Pharmacy, Materia Medica, and Chemistry, each with several sections and subsections. The report is the last of the series to be published annually, future abstracts being published in the "Journal of the American Pharmaceutical Association."]

Wokes, F., B.Sc.—*Text-Book of Applied Biochemistry.* 9 in. by 6 in. Pp. ix. + 522. Illustrations 76. 15s. Baillière, Tindall & Cox, 7 and 8 Henrietta Street, London, W.C.2. [This work, which is stated to be the first of its kind, owes its inception to the giving of a series of lectures by the author and Mr. F. J. Dyer at the Pharmaceutical Society about five years ago. It is intended for the pharmaceutical student primarily, but in view of the newer views on living chemistry the field is obviously much wider. The subject-matter is divided into twelve chapters, commencing with the biological importance of water and concluding with vitamins. The intervening chapters lead the student step by step via hydrogen ion concentration, surface phenomena and colloids, spectroscopy, ultra-violet light carbohydrates, fats, proteins, etc., enzymes, the bacteria and hormones. The complexity of the subject may well dismay not alone the student venturing to begin his studies but those who may claim to have some knowledge of biochemistry. Yet it is just such a work as this that will provide the inquirer with information not easily obtainable and fully justify its production.]

Pharmaceutical Society's Annual Report

The following are the portions of the Council's ninety-sixth annual report which are of general interest:—

REGISTRATION.—The number of persons on the two Registers was 22,977, an increase of 549. The number of names in the Register of Pharmaceutical Chemists was 1,468, an increase of 28. The names in the Register of Chemists and Druggists of persons not also registered as Pharmaceutical Chemists numbered 21,509, an increase of 521. The number of persons acting as superintendents of limited companies, firms or partnerships under the Poisons and Pharmacy Act, 1908, was 1,920, an increase of 66. The number of persons registered during the year as apprentices or students was 723, a decrease of 374. The number of student associates decreased by 197 to 763. The Register of Premises was completed, and the registrations up to June 30, 1936, were published in book form on September 1, 1936. A second issue of the printed Register containing registrations up to December 31, 1936, was prepared for publication on January 31, 1937. A scheme for the supply of a correction service, in the form of lists containing additions and deletions to the Register, was prepared and approved by the Council, its purpose being to provide facilities for keeping the Register of Premises up to date until the publication of the next edition. This correction service was due to commence on March 1, 1937. The number of premises registered at the end of the year was 16,796.

EXAMINATIONS.—The entries, including re-entries, for the whole or part of the Preliminary Scientific examination was 2,778, and 808 candidates passed; the corresponding figures for the Chemist and Druggist Qualifying examination were 1,658, and 821 passed. There were 131 entries for the Pharmaceutical Chemist Qualifying examination, and 66 candidates passed; 8 reached the standard necessary for registration as Chemists and Druggists. For the examination for the Diploma in Biochemical Analysis there were 32 candidates, and 18 passed. No candidates entered for the examination for the Diploma in Pharmaceutical Analysis. There were 77 candidates for the Scholarships examination, 3 for the Herbarium competition, and 9 for the Council Prizes competition.

LEGAL.—The inspectors have been appointed, and commenced their duties in June. During the remainder of the year they inspected 7,488 chemists' businesses and 272 other businesses to ascertain whether the provisions of the Pharmacy and Poisons Act, 1933, were being observed. The services of the agents previously employed have been retained for the purpose of visiting the premises of unqualified traders. After considering the inspectors' reports, the Council authorised proceedings in 80 cases. At this initial stage, when conditions are new both to the inspectors and to owners of businesses, the inspectors have required to exercise special care in order that they might discharge their duties impartially and at the same time secure the co-operation and goodwill so essential for the smooth working of the new arrangements. The Council are gratified to report that the way in which the inspectors have carried out their duties has been the subject of many appreciative comments from members who have welcomed the assistance that they have received from the inspectors during their visits. The number of serious irregularities that have been disclosed by inspection is small. Of the less important irregularities, those most frequently found were non-retention of Fourth Schedule prescriptions and incorrect storage and labelling. The advice that the inspectors were able to give should result in a considerable improvement being found at the next inspection. In accordance with the provisions of the Dangerous Drugs Acts, the Council made representations to the Home Secretary in several cases in which the question of the withdrawal of an authorisation of a pharmacist to be in possession of dangerous drugs was under consideration. Only one case arose under the arrangement made the previous year whereby the Minister of Health consults with the Society before removing from the Panel the name of a member whose D.D. authorisation had been withdrawn. As a result of representations by the Home Office, an inquiry was instituted regarding the extent to which diluted laudanum was being supplied. The Medicines and Surgical Appliances (Advertisement) Bill, supported by the Society and other bodies, was introduced into the House of Commons, but the House was "counted out." The lack of support the Bill received has made it quite clear that there is little likelihood of the Government introducing legislation controlling the claims, however, extravagant, made for medicines. Two amendments have been made to the by-laws; one amendment has reduced the amount of the fee to be paid by Colonial pharmacists from fourteen guineas to five guineas to bring it more into line with the fees charged by Colonial pharmaceutical authorities for registration of British pharmacists. The other amendment requires unsuccessful candidates in the Preliminary Scientific, Chemist and Druggist and Pharmaceutical Chemist Qualifying examinations to comply with such conditions before re-enter as the examiners may prescribe.

A deputation from the Council interviewed the Parliamentary Under-Secretary for Home Affairs to express the Council's concern at the proposed changes in the recommendations of the Poisons Board and to urge that the recommendations should be adopted unchanged. Although the Home Secretary decided to proceed with the changes, the deputation served a useful purpose in placing on record with the

Home Office the Council's views upon them. As a result of experience in the operation of the Poison Rules, a number of suggestions for improvements were submitted to the Poisons Board for consideration. The Society was represented at conferences called by the Association of British Chemical Manufacturers to reach agreement among interested parties on the question of the use of moulded wording on poison bottles. A large number of points of interpretation have had to be considered and opinions formed upon them for the guidance of the inspectors and the secretarial staff in advising members and others. Steps were taken in co-operation with the British Medical Association to bring to the notice of medical practitioners the new requirements as they affect the medical profession and to safeguard as far as possible the interests of pharmacists from the effect of the requirements for Fourth Schedule substances in leading medical practitioners to supply these substances themselves instead of writing prescriptions for them.

In consequence of a proposal to exempt pharmacist employees from the benefits of the Bill the Council took steps to secure an arrangement that would give them compensatory free time for Sunday duty. After negotiations the Council were able to obtain Government support for an amendment on these lines, and this was embodied in the Act.

EDUCATION.—The requirement that the standard of examination for registration as "Apprentice or Student" should be equivalent to that of matriculation came into force on April 1, 1936. Although the number of registrations during the subsequent months of the year was considerably below that of the corresponding period in the immediately previous years, the experience of previous increases in the standard has shown that an immediate lowering of the number of registrations was to be expected, and that this does not necessarily represent the permanent effect of the change. In order to give sufficient time for the necessary preparatory work for the next revision of the examination regulations to be undertaken thoroughly, an Examination Regulations Committee has been set up and has as a first step issued a large number of inquiries to practising pharmacists in various branches of pharmacy to obtain their views on the kind of training they consider necessary for modern requirements. In July, physiology became a subject of the Pharmaceutical Chemist Qualifying examination for the first time. It is a testimony to the thoroughness of the arrangements made by the various schools of pharmacy for teaching this subject that the performance of candidates was generally better in this subject than in the established subjects. Thirty-seven institutions not previously approved for the purpose were approved for providing full-time courses of instruction for the Preliminary Scientific examination, making a total of sixty-six. Routine inspection of a number of schools approved jointly by the Society and the University of London for the course for the Pharmaceutical Chemist qualification and Bachelor of Pharmacy degree was undertaken. Approval was given to a number of additional hospitals for providing "practical courses of study." A scheme was inaugurated whereby representatives of schools of pharmacy meet annually to discuss problems affecting the teaching of the subjects for the Society's examinations. At the request of this representative body, joint committees comprising teachers and examiners were set up to prepare teachers' syllabuses in pharmacy, pharmaceutical chemistry and pharmacognosy. The Regulations for the Diploma in Pharmaceutical Analysis were revised, and a number of minor changes made, including the alteration of the date of the examination from June to September. The Thomas Chase Prize and the Greenish Memorial Scholarship were awarded for the first time. The B.Sc. degree in Pharmacy of Glasgow University was approved as exempting from the subjects of the Pharmaceutical Chemist Qualifying examination, except forensic pharmacy, in accordance with Regulation 28. There are now three university degrees approved for this purpose.

FINANCE.—The income of the Society was £119,600, an increase of £21,050, and the expenditure £99,193, an increase of £9,765. School expenditure was £942 more, and income £517 more, due to an increase in the number of students. Pharmacological Laboratory expenditure was £61 more, and income £808 more; the fees for testing in the Nutrition Department increased by £1,055. The net cost of the College as a whole was £5,970, being £322 less than in 1935. The amount received in examination fees was £1,392 more, and there was an increase of £1,878 in examination expenditure, largely accounted for by the addition of zoology and physiology to the curriculum. The law and registration expenses increased by £5,168, mainly on account of the appointment of inspectors under the Pharmacy and Poisons Act, 1933. The total cost was £10,360, which included inspectors' expenses for seven months only. The receipts from the sale of the Register were £238 less, Restoration Fees £422 less, and Costs and Penalties £165 less. Fees for the registration of apprentices or students were £1,499, against £2,303 in 1935; this reduction foreshadows a smaller income from examination fees in the next few years. Premises registration fees amounted to £16,021. There was an increase of £523 in the cost of "The Pharmaceutical Journal"; the "Quarterly Journal" cost £86 less. There was a surplus on the Codex of £896, and the new publication, "Poisons Law," produced £528. There was no surplus on the

"Extra Pharmacopœia," as the account carried the whole cost of preparing the new edition of Vol. I, the income from which will be received in 1937. Other increases in expenditure were: Organisation £88; North British Branch £498, resulting from an extension of premises; Museum £24, Library £64, House £137, and Administration £947. The income from Members' Retention Fees was £901 more, due to an increase in membership; and Student Associates' subscriptions were £20 less. The interest received on investments was £8 more, although the income from the Brunswick Square estate was somewhat less—a decline which will be progressive as the leases expire. The interest on the Premises Fund investments was £1,571, against £1,196 in the previous year. The sum of £16,800 was transferred to the Premises Fund, which now amounts to £90,266. The Benevolent Funds are dealt with later in this report. Negotiations were opened for obtaining a loan of £100,000 to assist in financing the erection of the Society's new headquarters.

THE COLLEGE.—In all departments the work of the College has made progress. In the Chemistry Department the number of persons undertaking research has reached a record figure. The demand for tuition in the College for the Qualifying examinations and the Bachelor of Pharmacy degree was again such as to fill all the places available. The new subject physiology has proved popular with the students, a particularly keen interest being shown in the work of the course in this subject. A post-graduate evening course of lectures in physiology to be conducted by Professor Burn was arranged for the 1936-37 session, and the response was so great that all the places in the Lecture Theatre were filled and many applications had to be refused. Research work in the five departments of the College has been maintained, and twenty-nine papers have been published during the year. The terms of the Greenish Memorial Scholarship were finally settled. They provide for the Scholarship being awarded to the first-year student in the College, other than a Bell Scholar, who has shown the most promise. He receives free tuition for the second year, and the sum of £30. The Scholarship is awarded by the Council on the recommendation of a committee.

BENEVOLENCE.—The income of the Benevolent Fund was £6,114, of which £2,661 was derived from subscriptions and deeds of covenant. The expenditure on casual grants among 171 persons was £3,876 and on annuities £2,020. Six additional annuitants were elected to fill vacancies, making a total of forty-four. The necessary expenditure on grants and annuities was £270 less than in 1935, mainly on account of a smaller expenditure on casual grants. The income was augmented by the proceeds of a life policy assigned to the fund by an annuitant, and the expenses of the year were covered by the income. The need for additional income still continues, however, and, as forecast in the last Report, a pamphlet has been prepared and freely distributed in order to bring the claims of the fund more prominently before members and to secure the wider adoption of systematic methods for raising contributions. It is hoped that, as a result of this, there will be greater interest in and support for the fund. The tax recovered under deeds of covenant was £75, representing a slight reduction on the previous year. An extension of this method of assisting the fund would not only augment it, but place it on a more secure footing, and is therefore warmly commended to members. Applications for assistance from the War Auxiliary Benevolent Fund are still being received. The expenditure showed an increase, being £1,319, as against £1,150. The balance of the fund is now £3,261, of which £1,074 is reserved for maintenance of two orphans now at the London Orphan School. The purpose of the Hills Orphan Fund is restricted to maintaining orphans of subscribers to the Benevolent Fund in institutions. The income from its investment amounted to £212. In 1936 two orphans were maintained at the Royal Infant Orphanage, Wanstead, at a cost of £132. The Orphan Fund, which was formed in 1934, is for the purpose of enabling assistance to be given to orphans who are not eligible for relief from the Hills Orphan Fund. Subscriptions and payments under deeds of covenant amounted to £195, a decrease of £27 as compared with the previous year. A payment of £320 was made from the fund during the year to provide for the admission of one orphan to an institution. This has resulted in a deficit of £123 for the year. The Council have decided to grant National Savings Certificates totalling £5 5s. to each of fifteen orphans of pharmacists to commemorate the Coronation.

ORGANISATION.—Three new branches were formed and one dissolved, making a total of 122. The new branches are the Rhymney Valley, Wembley, and Wimbledon and District Branches. The branch dissolved was the Buxton Branch. Arrangements were made by the Organisation Committee to supply speakers for 144 branch meetings and social events. The work of the branches has been stimulated where necessary and the general level of activity well maintained. An inquiry into the feeling of branches on the question of branch federation was instituted, but had not been completed by the end of the year. At the branch representatives' meeting held during the British Pharmaceutical Conference at Bournemouth, rules of procedure for the conduct of representatives' meetings and rules for adoption by branches were approved. Motions submitted by the branches were discussed and decisions taken upon them. The seventy-third meeting of the British Pharmaceutical Conference was held in Bournemouth in June. Four hundred and eighty-two persons, including 170 branch representatives, attended. The Conference was welcomed to Bournemouth by Alderman P. M. Bright.

The chairman was Mr. Harold Deane, B.Sc., F.I.C., whose address was entitled "The Cultivation of Drugs." Twenty-two papers were read at the Science Sessions. A marked feature of the Conference was the efficiency of the local organisation and the extent to which the municipality co-operated. Arising from a branch resolution on the subject, the question of facilitating the distribution of election addresses of candidates for election to the Council was considered and deferred for further consideration in connexion with the revision of the Society's constitution.

PUBLICATIONS.—The circulation of "The Pharmaceutical Journal" has continued to increase, and approximately 23,000 copies are now printed and distributed weekly. The main work of the year was the revision of Volume I of "The Extra Pharmacopœia," and the twenty-first edition of this volume was almost ready for publication at the end of the year. The *format* has been improved so as to give more generous margins and greater legibility. The new *format* will be adopted for the twenty-first edition of Volume II and subsequent volumes. The agreement with Messrs. H. K. Lewis & Co., Ltd., has been terminated, and the Society has now assumed full responsibility for the publication of the Extra Pharmacopœia.

Under the new Examination Regulations, "Forensic Pharmacy" has ceased to be the prescribed text-book for the examination in forensic pharmacy and has been discontinued. The material it contained is still of value for that examination and for pharmacists who desire information on legal matters connected with their calling, and has therefore been brought up to date and incorporated in the Society's Calendar. In this way the usefulness of the book has been preserved and that of the Calendar increased for both students and pharmacists. Evidence accumulates of the high reputation that the "Quarterly Journal of Pharmacy and Pharmacology" enjoys not only in this country but in other parts of the world, and it may fairly claim to have established for itself international recognition as a publication in the first rank of journals of its kind.

An important addition to the publications of the Society is the Register of Premises. A new development was the publication in book form of a series of three lectures on "The Cardiac Glycosides," delivered by Professor Still, of Basel, in the Society's College.

PUBLIC SERVICES.—The substitution of the title "Dispenser" by that of "Pharmacist" has been secured for a number of posts occupied by pharmacists in Government departments and hospitals, and advantage has been taken of several opportunities to bring the claims of pharmacists more prominently before the notice of hospital authorities. A complete survey of hospitals to ascertain which employ pharmacists and which do not is being undertaken. Evidence, both written and verbal, was placed before the Voluntary Hospitals' Commission in support of the employment of pharmacists in hospitals. . . . With the decision of the Government to carry out re-armament on an extensive scale, the situation appeared more favourable than hitherto to reopen the question of the employment of pharmacists in the Army. Professor Gunn has interested himself in this question and has given valuable service in pressing upon the authorities the claims of pharmacists to recognition, thus preparing the way for a renewed official approach. Owing to the immense amount of preparatory work to be done by the Air Raid Precautions Department, the department were not able until late in the year to see clearly in what directions pharmacists might be of most help in anti-gas work. The conclusions to which they came were that pharmacists would be most usefully employed in their own businesses and that they should take up work in other ways, such as gas-detection, only to a limited extent. These views were communicated to the Council, and were under consideration when the year closed. With a view to familiarising pharmacists with anti-gas problems generally and their relation to them, the Council arranged for Mr. Davidson Pratt to give a lecture to members of the Society on the subject.

THE SOCIETY'S HOUSE.—The various particulars required as a basis for plans were completed, and sketch plans prepared from them. Careful estimates of the cost of erecting and equipping the building, of the cost of maintenance, and of the Society's future income and expenditure, were prepared, and in the light of this information the Council decided that a substantial reduction in the size of the building would be necessary to bring its cost and upkeep within a figure that the Society could afford. The plans had, therefore, to be revised, and the work of revision was in progress when the year ended.

BRITISH PHARMACOPŒIA AND BRITISH PHARMACEUTICAL CODEX.—The arrangement between the Council and Pharmacopœia Commission for the interchange of information for the British Pharmaceutical Codex and the British Pharmacopœia has been renewed.

PROPRIETARY MEDICINES.—The arrangement made during the previous year with the British Medical Association for the investigation of the claims made for proprietary medicines offered to the medical profession was initially carried into effect in the selection for examination of the class of ovarian extracts. Work on these preparations is now proceeding.

STATUTORY COMMITTEE.—Three disciplinary inquiries were held by the Statutory Committee during 1936. Two inquiries were into cases of alleged misconduct on the part of members of the Society, and the other into an alleged conviction for a criminal offence. In all three cases the Society acted as complainant. The Committee directed the removal of the name of one member from the Register, and in one of the remaining cases no direction was given and the other case was adjourned.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, May 13

THE NATIONAL CELEBRATIONS have to some extent disturbed the steady flow of business this week; nevertheless, a number of markets report an improved demand with the general tone steady. Re-export business to the Baltic States and, in one or two products, to America, has been quite good. There is still an almost complete absence of speculation on the markets. Conditions in the PHARMACEUTICAL CHEMICALS markets are fairly steady as regards home produced products, but there is considerable irregularity in quotations for some of the imported products. SANTONIN tends steadier. Home makers have not yet given effect to the sharp rise in metal in their prices for MERCURIALS, but an adjustment in the sales prices is expected next week. IODIDES have been advanced 3d. per lb.

Crude Drugs

A very fair consuming business in a number of commodities is reported and values are in most instances fully steady. AGAR has been quiet, but values are quoted about unchanged. No sign of any cheaper shipment prices for new crop BUCHU. At the further sale of Mangalore CARDAMOMS this week high prices were obtained. Actual business in CASCARA SAGRADA has been negligible; interest is centred in the coming new crop and we give a report on the subject from a shipper. Zanzibar and Madagascar CLOVES are steadier for shipment. Supplies of new crop COLOCYNTH pulp are held "in bond" for good prices. DERRIS Root in any bulk quantity seems to be unwanted. Portuguese shippers of ERGOR show a tendency to press for business. Shipment quotations for new crop Sudan GUM ACACIA are maintained at their recent big increase. HYDRASTIS has sold quite well on spot, the values for which tend to move up to the shipment quotation. A better demand for IPECACUANHA is reported, market fully steady. LOBELIA HERB remains dull on spot. Japanese MENTHOL has sold quietly, mostly on spot, at unchanged prices. MERCURY continues fully steady at last week's sharp advance. Good re-export business in OPIUM. PEPPERS are slightly steadier. RHUBARB has been quiet, market steady. Spot values for SENEGA are firmly held at recent advances. At the lower figures SHELLAC is steadier.

Essential Oils

Dealers report a little more general business has been done this week, but conditions are still disappointing in some products. The price level of most items is about steady. There has been a limited sale, mostly in smallish lots, of BERGAMOT; both the spot and shipment markets seem steadier after the recent weakness. Brazilian Bois de Rose is scarce and firm on spot. Ceylon and Java CITRONELLA are about steady, but good sized business is lacking. Madagascar CLOVE is again quoted cheaper for shipment, but possibly the bottom has now been reached. Some Zanzibar BUD oil is offering again. Australian EUCALYPTUS, according to reports from shippers, will be held at high figures throughout the year. The very limited spot supplies of Ho (SHIV) are in firm hands and held for good prices; no shipment offers. Sicilian hand-pressed LEMON has shown a little more life on spot and the market seems to be steadier. French Guinea ORANGE is steady with limited sales on spot. Japanese PEPPERMINT is steady at level prices on the week; interest confined to modest spot sales.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	May 6	May 13
Amsterdam	Fls. to £	12·107	8·99	8·99
Berlin	Mks. to £	20·43	12·27	12·28
Brussels	Belgas to £	nominal	29·22	29·25
Copenhagen	Kr. to £	18·159	22·40	22·40
Lisbon	Esc. to £	110	109 ¹	109 ¹
Madrid	Ptas. to £	25·22 ¹ ₂	nominal	nominal
Milan	Lire to £	92·46 ¹ ₂	93 ¹	93 ¹
Montreal	Dol. to £	4·86 ¹ ₂	4·92 ¹ ₂	4·92 ¹ ₂
New York	Dol. to £	nominal	4·93 ¹ ₂	4·93 ¹ ₂
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	110	110
Prague	Kr. to £	164·25	141 ¹ ₂	141 ¹ ₂
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	26 ¹ ₂	26 ¹ ₂
Zurich... ...	Fr. to £	25·2115	21·56	21·57 ¹ ₂

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

GENERAL business continues on routine lines, with the recent advances in prices steadily maintained.

ACETANILIDE.—Continues steady, with quoted prices for crystals and powder from 1s. 7d. per lb., upwards, as to quantity.

AMIDOPYRINE.—Business slow, with values none too steady: two cwt., 13s. 6d.; one cwt., 13s. 10d.; less than one cwt., 14s. 1¹d. per lb., with powder 2d. per lb. extra. Prices are duty paid, ex store.

AMMONIUM ICHTHIOSULPHONATE.—Small business at former prices: one cwt., 1s. 6¹d., in 14-lb tins; 1s. 8d., in 1-lb. tins; 1s. 10¹d., in 8-oz. tins, and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BISMUTH SALTS.—Makers' scales of prices and terms of payment continue steady: Carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 1s. 12d.; 28 lb., 2s. 3d. per lb., net. Resale clause applies. 28-lb. parcels and one cwt. cases free. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4¹d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5¹d. AMMONIUM, B.P., five cwt., 1s. 6¹d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Market is quiet; spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure, alkaloid, two cwt., 8s. 10¹d.; one cwt., 9s. 0d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 4d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s. 0d.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d. per lb.; 56 lb., 6s. 4d.; less than 56 lb., 6s. 5d. per lb. Soda Sal., two cwt., 6s. 2d.; one cwt., 6s. 3d.; 56 lb., 6s. 4d.; less than 56 lb., 6s. 5d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s. 1d.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d. per lb.

CALCIUM LACTATE.—Limited business, quoted steadily: one cwt., 1s. 0d.; 56 lb., 1s. 1d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—British material is steady as quoted: duty paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars, one penny per lb. extra.

CHLOROFORM.—Prices quoted by makers are: two cwt., 2s. 5d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6d.; less than 56 lb., 2s. 7d. per lb., in w-quarts of 8 lb. Packed in drums, 2d. per lb. less. Small bottles extra, from 5d. per lb. for 4-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRATES.—Makers' scales of prices are steady at the recent advance.

	Under 4 lb.	4 lb. and under 7 lb.	7 lb. and under 14 lb.	14 lb. and under 28 lb.	Not less than 28 lb.
Iron ammonium, B.P.	Lb. s. d.	Lb. s. d.	Lb. s. d.	Lb. s. d.	Lb. s. d.
Potassium, B.P. ...	2 5	2 3	2 1	2 0	1 10
Sodium, B.P. ...	2 1	1 11	1 9	1 8	1 6
	2 2	2 0	1 10	1 9	1 7

All prices net, usual conditions. The previous price alteration was on October 14, 1936. Iron and Ammon. Citrate, B.P., 4d. per lb. more than Pot. Citrate.

CITRIC ACID (B.P. CRYSTALS).—Fair amount of business, with quotations fully steady: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Seasonal business, market fully steady: British material, 99 to 100 per cent., 8s. per cwt., less 2¹₂ per cent. discount. Dealers' prices for foreign material competitive.

GLYCERIN (B.P.).—Makers' prices for home consumption are firm and supplies are restricted: one ton, in 10-cwt. drums, 10s. 6d. per cwt., drums extra.

GLYCEROPHOSPHATES.—Makers' prices are steady. Acid Calcium (soluble), 28 lb., 4s. 6d.; 7 lb., 5s. Calcium, neutral, B.P.C., 28 lb., 4s. 6d.; 7 lb., 5s. Potassium, 75 per cent., 28 lb., 4s. 6d.; 7 lb., 5s. Sodium, 75 per cent., 28 lb., 2s. 9d.; 7 lb., 3s. 3d. per lb.; 28-lb. tins free, other packings extra.

GUAIACOL CARBONATE.—Inquiry is small, with prices quoted in the region of 9s. per lb., ex store.

IODIDES.—Makers' scales of prices for these salts have been advanced 3d. per lb., as from May 13. The new scales are as follows: POTASSIUM, B.P.—1 cwt., 4s. 6d.; 28 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s. 4d.; 4 lb., 5s. 10d.; smaller quantities, 6s. 6d. per lb. SODIUM, B.P.—28 lb., 5s. 9d.; 14 lb., 5s. 11d.; 7 lb., 6s. 5d.; 4 lb., 7s. 1d.; smaller quantities, 8s. 1d. per lb. IODINE, B.P., RESUBLIMED.—1 cwt., 5s. 4d.; 28 lb., 5s. 6d.; 14 lb., 5s. 8d.; 7 lb., 6s. 2d.; 4 lb., 6s. 10d.; smaller quantities, 7s. 9d. per lb. IODOFORM, B.P., CRYST. PRECIP. OR POWDER.—28 lb., 8s.; 14 lb., 8s. 2d.; 7 lb., 8s. 10d.; 4 lb., 9s. 8d.; smaller quantities, 10s. 8d. per lb. Contracts for one cwt. and upwards (assorted if required) with fall clause, for delivery as required during four months. 28-lb. tins and one-cwt. cases free. All jars and bottles charged, but credited if returned carriage paid, in good condition, within three months. Assorted quantities are charged at the collective total prices. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices or terms below the scale for any such quantity current at the time the resale is made.

MAGNESIUM CARBONATE B.P. (HEAVY).—Makers' scales of prices continue at the recent advance. Contracts: five cwt., 65s. per cwt., less rebate 2s.; ten cwt., 65s., less rebate 3s.; one ton, 63s., less rebate 2s.; five tons, 63s. per cwt., less rebate 3s. per cwt. No fall clause. Re-sale clause applies. Distributors' prices for small parcels: 14 lb., 9d.; 28 lb., 8½d. per lb.; 28-lb. parcels free packing.

METHYL SALICYLATE.—Makers' prices continue unchanged, inquiry poor: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Business slow, quotations keen; two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, 20s. 8d. per lb.

PARAFORMALDEHYDE.—Steady, with a limited business passing: 100 per cent. powder, quantities in kegs, 1s. 1d. to 1s. 1½d.; smaller parcels to 1s. 4½d. per lb., as to quantity.

PHENACETIN.—Steady at current cheap prices: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Dealers' prices are steady as quoted from about 6s. 4½d. to 6s. 9d. per lb., as to quantity.

PHENOLPHTHALEIN.—Limited business, quoted prices about steady: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Values well maintained, average business: bulk quantities, in drums, 9½d. to 10d.; druggists' parcels, 10d. to 1s. per lb., as to quantity.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s. 8d.; hypophosphite, 4s.; alkaloids, 3s. 10½d. per oz.; carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—British material only available: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. 6d. per lb.

ROCHELLE SALTS.—Makers' scales of prices for these products continue at the recent advance. The new scales are as follows:—PULV. SOD. POT. TART., B.P., less than one cwt., 80s.; less than five cwt., 77s. 6d.; five cwt. and over in one delivery, 75s. per cwt. PULV. SEIDLITZ, less than one cwt., 64s. 3d.; less than five cwt., 62s. 6d.; five cwt. and over in one delivery, 60s. 6d. per cwt. DOUBLE SEIDLITZ, less than one cwt., 71s.; less than five cwt., 69s.; five cwt. and over in one delivery, 67s. per cwt. SODA POT. TART. CRYSTALS, 2s. 6d. per cwt. extra to powder.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALOL.—Dealers' spot quotations for crystals continue keen in the region of 2s. 7d. to 3s. per lb., as to quantity.

SALICYLIC ACID (B.P.).—Market remains dull: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

SANTONIN.—Rather more inquiry and business in limited quantities is reported. Quotations are now in the region of £9 ros. to £10 per kilo., as to quantity.

TARTARIC ACID (B.P. CRYSTALS).—Fair amount of business, market fully steady: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount. Dealers offering foreign materials at competitive prices.

Crude Drugs, etc.

AGAR.—Business continues quiet: spot, Kobe No. 1, 4s. to 4s. 1d.; No. 2, 3s. 9d. Yokohama, No. 1, 3s. 8d. per lb.; shipment, May-June, Kobe No. 1, 3s. 9d.; No. 2, none offering. Yokohama, No. 1, 3s. 4d. per lb., c.i.f.

ALKANET ROOT.—Dealers are quoting spot supplies at about 45s. per cwt., ex store.

ALES.—Business has remained quiet, market quite steady. Very few shipment offers of Cape. Cape, spot, in boxes, 65s.; shipment, prime, in boxes, 58s. 6d. per cwt., c.i.f. Curaçao, spot, 90s. to 110s., as to quality; shipment, 90s. to 92s. 6d. per cwt., c.i.f.

ANTIMONY.—Chinese crude, spot, £41; shipment, May, £37, c.i.f. English regulus, spot, £85 to £86 per ton.

BALSAMS.—Limited business on spot: *Tolu*, 1s. 8d.; *Canada*, 2s. 7d.; *Copaiba*, to arrive shortly, 2s. 2d.; *Peru*, 5s. 4d. per lb., spot.

BUCHU.—Shipment market continues firm with but a small quantity offering; quoted from 2s. per lb., c.i.f., for new crop. Values on spot are well maintained, with rounds from 2s. 3d. to 2s. 5d. per lb., as to quality. Ovals are offering on spot from 1s. 10d. to 2s. 1d. for good green bold leaf.

CARDAMOMS.—At this week's public auction 31 cases of Mangalore were offered and 15 cases sold. Bold pale bleached, 6s. 6d.; medium, 5s. 6d. to 5s. 8d.; splits, bold, 5s.; small, 4s. 3d.; specky, bold, 5s. 7d. per lb. The general tone of the market continues fully steady.

CASCARA SAGRADA.—Business is still negligible, but values are firm at prices recently recorded. We have received the following report from an American shipping house: "It has been definitely established that the price to the peelers on the Pacific Coast has opened up this season at double last year's quotation. In spite of this, forecasts are being made that the crop will not equal the demand. This may turn out to be true, but we think it is much too early yet to make such a prediction. With the collector receiving double last year's returns, it would seem that labour conditions and wage advances have been well discounted and that there remains a possibility that the current price is too high. If this is true, a large crop and later declines should develop. Our recommendation is to await developments of the next thirty to sixty days, when a fairer idea of the future can be formed. We feel that even if the price should be a little higher then, it would be better judgment to withhold purchases until the gatherers' response to these high prices can be gauged."

CLOVES.—Market remains quiet; shipment quotations fractionally better and steadier: Zanzibar, spot, 10½d.; shipment, June-July, 10½d. per lb., c.i.f. Madagascar, in bond, 8½d.; shipment, June-July, 8½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended May 8 were 208 and the deliveries 325, leaving a stock of 3,526. From January 1 to date the landings of Zanzibar have been 3,629 and the deliveries 1,782. Landings of Madagascar for the week ended May 8 were 237, and the deliveries 3, leaving a stock of 4,884. From January 1 to date the landings of Madagascar have been 4,697 and the deliveries 1,146 packages.

COCONUT (DESICCATED).—Business has been slow: spot, fine, 24s.; medium, 23s. per cwt.; shipment, halves, May and June, 21s. 9d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Finmarken fishing has been poor; results to May 8: 138,400 tons of cod and 70,718 hectol. of oil, compared with 113,283 tons of cod and 54,707 hectol. of oil on the same date in 1936, and 95,535 tons of cod and 58,815 hectol. of oil in 1935. Shipment market is steady, with finest Lofoten steam refined, non-freezing medicinal oil at 88s. to 89s. per barrel, c.i.f. London. Small lots, on spot, about 125s. per barrel, ex store, duty paid. British, finest medicinal oil is quoted at 110s. per barrel, delivered U.K., with rebates for 25, 50 or more barrels.

COLOCYNTH.—One or two parcels of new crop pulp are now available on spot, with the prices mentioned ranging from 2s. 3d. up to as much as 2s. 5d. per lb., in bond.

DERRIS ROOT.—Dealers report the demand for spot goods continues very disappointing; quoted nominally unchanged at 10d. to 1s. 2d. per lb., as to test; shipment, about 9½d. to 9½d. per lb., c.i.f. basis 17 per cent. ether extract.

ERGOT.—Portuguese shippers are now offering Spanish/Portuguese at 5s. 6d., c.i.f., and intimate they would be prepared to consider bids. No interest shown this side.

GUM ACACIA.—Interest in the shipment market is sustained. The rumour of short sales by shippers at the source would appear to refer to contracts for shipment to New York and not to this market: spot, Kordofan cleaned sorts, 66s. to 67s. 6d.; bleached, No. 1, 115s.; extra, 125s. per cwt.; shipment, from source, Kordofan cleaned sorts, 65s. per cwt., c.i.f. Re-sellers of July-August at 62s. 6d. to 63s. 6d. per cwt., c.i.f.

HYDRASTIS.—Market is steady for U.S.P., and the demand has been better this week: spot, 13s. 7½d. up to 14s.; shipment, maintained at about 14s. per lb., c.i.f., for U.S.P. quality.

IPECACUANHA.—Quite a good business reported. Matto Grosso, B.P. test, 6s. 9d. to 7s. per lb.; Bahia, not quite up to B.P. standard, 5s. 6d. per lb.

MENTHOL.—The Japanese product has sold quietly at unchanged prices. K/S brands, spot, 12s. 10d. to 13s.; in bond, 11s. 6d. to 11s. 7d. per lb. Japanese shippers are quoting May-June at 11s. 9d., c.i.f. Resellers offering at 11s. 6d., c.i.f., with nothing much moving.

MERCURY.—First-hand suppliers report prices are fully steady at the advance recorded last week: quoted at 75 dollars per bottle, f.o.b., Continent; £15 2s., c.i.f., London; spot, in small lots, £15 12s. to £15 12s. 6d. per bottle, ex store.

OPIUM.—Good re-export sales recorded: spot, Turkish, 1s. 2d.; Persian, 1s. 1d. per unit, landed and duty paid.

PEPPER.—Market is steadier with a little more business being done. Lampung, in bond, 3d.; shipment, August-October, 2d.; October-December, 2½d., c.i.f. Tellicherry, spot, 4d. Aleppy, spot, 4d. White Muntok, in bond, 6d.; shipment, August-October, 4½d. per lb., c.i.f.

RUBBER.—Values show a fair recovery on the week, market steadier with moderate business being done. Standard ribbed smoked sheet, spot, 10d.; May, 10d.; June, 10d.; July, 10½d.; July-September, 10d.; October-December, 10½d.; January-March, 10½d. per lb.

SAFFRON.—Occasional business in small spot parcels, with Valencia quoted at about 62s. 6d. to 65s. per lb., ex store.

SEEDS.—ANISE.—Spot, Bulgarian, 39s., duty paid. CANARY, Mazagan, 29s.; Turkish, 26s. 6d.; Plate, 25s. 6d.; Spanish, 40s. to 50s.; all spot, duty paid. CARAWAY.—Dutch, 37s., spot, duty paid, and 31s. 6d. quoted f.o.b. Holland. CORIANDER.—Morocco on spot offered at 16s. 6d., duty paid, and 15s., in bond. CUMIN.—Spot, Morocco is quoted at 37s., duty paid, and 33s. 6d., in bond. Very poor demand at present. FENUGREEK.—Indian for shipment is now quoted at 15s., c.i.f.; Morocco, spot, 14s. 6d., duty paid. MUSTARD.—English, 21s. 6d. to 32s. per cwt., according to quality.

SENEGA.—This market continues firm with spot holders wanting 2s. 7d. to 2s. 8d. per lb., ex store. Shipment is firm at 2s. 7d. per lb., c.i.f.

WAX.—BEES'.—Inquiry has remained slow, values about unchanged. Calcutta, bleached, spot, 150s.; shipment, May-June, 147s. 6d.; ordinary quality, spot, 135s.; shipment, 127s., c.i.f. Abyssinian, 132s. 6d., in bond; shipment, May-June, 132s. 6d., c.i.f. Benguella, spot, 145s.; shipment, 131s., c.i.f. Conakry, spot, none offering; shipment, 130s., c.i.f. Dar-es-Salaam, spot, 145s.; shipment, 140s. per cwt., c.i.f. CARNAUBA.—The demand for these products is still quiet, quoted unchanged. Fatty grey, spot, 175s.; shipment, afloat, 167s. 6d., c.i.f.; May-June, 166s., c.i.f. Chalky grey, spot, 167s. 6d.; shipment, May-June, 163s. 6d., c.i.f. Primeira, spot, good quality, 220s.; f.a.q., 215s.; shipment, May-June, 210s., c.i.f. Mediana, spot, 210s.; shipment, 205s., c.i.f.

Essential Oils, etc.

INQUIRY for some products has been a little better this week. Citrus oils have received some attention and the general tone of these markets tends somewhat steadier. Madagascar clove continues unsteady. Japanese peppermint is steady and level on the week.

ALMOND.—Business quiet, quoted unchanged: English made, cwt. lots, 3s. 5d.; smaller parcels, up to 3s. 7d. per lb.; foreign, cwt. lots, 3s. 6d.; smaller parcels, 3s. 8d. per lb. French, bitter, 6s. to 6s. 6d. per lb., as to quantity.

ANISE (STAR).—Limited spot demand, values about steady: spot, leads, 3s. 4d.; tins, 3s. 2d.; drums, about 3s. per lb. ex store; shipment, drums, May-June, 2s. 10d. per lb., c.i.f.

BAY.—Some small business reported: 49 to 50 per cent., 4s. 8d. to 4s. 10d.; 59 to 60 per cent., 4s. 10d. to 5s. per lb., as to quantity.

BERGAMOT.—A little more inquiry on spot and quotations tend somewhat steadier. Shipment market remains quiet and quotations nominally unchanged. Spot, 13s. to 13s. 6d., as to seller and quantity; shipment, 13s. per lb., c.i.f.

BOIS DE ROSE.—Spot supplies of Brazilian oil are firmly held on spot at 6s. 4d. to 6s. 6d. per lb., in drums.

CASSIA.—Market remains dull and is unsteady: spot, 3s.; shipment, 2s. 11d. for leads and 2s. 8d. for drums, c.i.f.

CINNAMON LEAF.—Market remains quiet and rather unsteady. Ceylon oil, spot, about 3s. 8d. to 3s. 9d. for tins in cases; shipment, in drums, 3s. per lb., c.i.f.

CITRONELLA.—Occasional inquiry with quotations fairly steady: Ceylon, spot, drums, 1s. 8d.; smaller parcels, up to 2s.; shipment, drums, 1s. 7d. per lb., c.i.f. Java, spot, drums, 2s.; smaller parcels, up to 2s. 4d.; shipment, drums, 1s. 10d. per lb., c.i.f.

CLOVE.—No confidence in the Madagascar oil with quotations again easier. Zanzibar bud oil offered for shipment. Madagascar, spot, drums, nominal; smaller packings, up to 5s. per lb. shipment, about 3s. per lb., c.i.f. Zanzibar bud oil, 3s. 6d. per lb., c.i.f., in drums. English distilled oil 6s. per cwt. and 6s. 3d. per lb. for smaller parcels.

EUCALYPTUS.—The shipment market continues firm and one of the leading shipper's reports, owing to restricted output, values are expected to be well maintained throughout 1937. Only July-August quoted for 80 to 85 per cent. oil: Australian, 70 to 75 per cent., 1s. 7d., in tins, and 1s. 7d., in drums; 80 to 85 per cent., if available, 1s. 8d. in drums, per lb., landed; higher prices for small

lots on spot; shipment, 70 to 75 per cent., 1s. 6d.; 80 to 85 per cent., 1s. 7d. per lb., c.i.f., for tins in cases. Spanish, 70 to 75 per cent., 1s. 6d. per lb., landed.

HO (SHIU).—Spot market is very firm; no shipment offers: spot holders asking fully 2s. 9d. to 3s. 1d. per lb., as to quality, for drum lots.

LEMON.—There has been a little more inquiry during the past week and with some weak parcels being cleared, the spot market tends steadier. Good brands of new crop Sicilian hand-pressed oil are held for 11s. 9d. to 12s. 3d. per lb., as to seller, while there are offers of spot oil, not necessarily new crop, in the region of 11s. to 11s. 6d. The source reports business still on the quiet side with values ranging from 10s. 9d. to 11s. 9d., c.i.f. Californian cold-pressed oil is available on spot at about 10s. per lb., landed. Californian distilled regular quality is quoted at 6s. 4d. per lb., ex wharf.

LEMONGRASS.—Market remains quite neglected: spot, about 1s. 9d. per lb.; shipment, about 1s. 7d., c.i.f.

ORANGE.—A limited demand on spot, chiefly for French Guinea oil in drums which is quoted at about 6s. 3d. to 6s. 4d. per lb., with smaller packings up to 6s. 6d. per lb. New crop oil is quoted in restricted quantity at about 5s. 4d., c.i.f., in drums. Tanganyika bitter oil, 8s., in drums, and Rhodesian, sweet, 10s. 6d. per lb. Californian, small drums, 4s. 2d.; tins in cases, 4s. 3d.; single cases 4s. 6d. per lb., ex store.

PATCHOULI.—Singapore oil on spot is quoted at about 16s. per lb., with business negligible; shipment offers attracting but little interest are in the region of 15s. 3d. per lb., c.i.f.

PEPPERMINT.—The market is steady with a restricted business being done: spot, 4s. 10d. to 5s., as to brand and seller. Japanese shippers quoting May-June at 5s. 1d., c.i.f., with no business recorded at this figure. American natural oil is quoted for shipment at about 2 dollars 50 to 60 cents per lb., c.i.f., with the source reporting a firm market. Spot supplies are offered at comparatively cheap prices, with business quiet.

SPEARMINT.—Market is irregular on quotation: spot, 8s. 1d. to 9s.; shipment, 7s. 3d. up to 8s. per lb., c.i.f., as to brand.

SPIKE.—Spot values for good quality Spanish oil are fully maintained from 4s. 10d. up to as much as 5s. 9d. per lb.

WORMSEED.—Market fully steady: spot, up to 12s. 6d.; shipment, well maintained at 12s. 2d. per lb., c.i.f.

Zanzibar Cloves

THE Clove Growers' Association, Zanzibar, report supplies and exports during the quarter were as follows:—

SUPPLIES	EXPORTS
Zanzibar produce . . . 240,759	To all destinations 7,324,715
Pemba produce ... 2,524,926	lb.

These figures disclose 4,559,030 lb. taken from town stocks to meet the demand. Stocks must be getting very limited.

The distribution of exports was as follows:—

	Bales	lb.
Dutch East Indies ...	29,802	4,172,325
Bombay and Indian ports ...	6,977	976,775
America—North and South ...	7,146	1,000,480
United Kingdom and Continent	5,792	810,945
Straits Settlements ...	659	92,225
All other destinations ...	1,943	271,965

The chief markets have all been good buyers, the heavy exports to the Dutch East Indies being particularly noteworthy. For the nine months, July-March 1937, of the seasonal year, Zanzibar supplies have been 1,516,743 lb. and Pemba 11,040,742 lb.; in terms of frasilas 43,335 and 315,450, respectively. The total crop of the current seasonal year to date is, therefore, 358,785 frasilas. During the same period exports have totalled 19,819,158 lb. (566,262 frasilas), stocks being drawn on to the extent of 7,261,673 lb. or 207,476 frasilas. The statistical position encouraged higher values, and the price advanced practically Shs. 10 per 100 lb. for Grade I and between Shs. 7 and Shs. 8 per 100 lb. for Grade II. The market was firm throughout the quarter, and at the close showed no signs of weakness. Rising prices encouraged a certain amount of stock buying by overseas markets. During 1936 the Madagascar exports of clove buds were 2,058 tons and clove oil 173 tons (three quarters of the year only). Zanzibar exports of clove oil, January-March, were 17,250 lb., and since the opening of the distillation plant a total of 59,639 lb. have been exported.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmaceutical Society's Council Election

SIR.—One of the great privileges that members of the Society enjoy is the right to vote in electing those whose duty it is to govern and conduct the affairs of the Society. This privilege carries with it a responsibility also. The main income of the Society is derived from members in retail practice and those who pass through the pharmacy as apprentices, students, and eventual examinees. It is right therefore that representation should be in this proportion. In the past about 9,000 members have used this vote, whereas now some 23,000 members have this privilege. We in this Branch say to every member of the Society: Do your duty and vote, so that whoever are elected will be so with a majority vote and not a minority vote as in the dismal past. Wake up, and you will then secure the reward long overdue.—Yours faithfully,

W. F. PARRY,

Secretary,

Dartford and District Branch of the Pharmaceutical Society.

SIR.—The West Middlesex Chemists' Association once again confidently asks all members of the Society to support the candidature of Mr. Thomas Marns at the present Council election. As is well known, Mr. Marns is president not only of the Pharmaceutical Society but also of the P.A.T.A. He has served pharmacy well in numerous capacities for many years. He is actively engaged in retail pharmacy in our area and is well aware of the many difficulties which we have to face. His ability is well known to all who come in contact with him, and he has always shown a broad and progressive outlook to all pharmaceutical problems.—Yours truly,

F. H. MYLROI, President,

Ealing. SIDNEY R. HUGHES, Secretary.

SIR.—I have read the election addresses of the many candidates who aspire to council honours.

(1) The extreme view put forward that the Council should consist entirely of retail members is, to say the least, shortsighted in many respects. Certainly, by all means, have the greater majority of the Council consisting of *bona-fide* retail members—they pay the piper; but we must not deny representation to pharmacists in other equally important walks of life. What we really want is proportional representation. At the Bournemouth Conference it was said that this type of representation would present many difficulties. I fail to see them. Allocate the hospital pharmacists a seat on the Council; let these choose their own nominees, and vote accordingly. The same method could be adopted with employee pharmacists, pharmacists employed in the wholesale, in manufacturing houses, in colleges of pharmacy, and perhaps in other spheres of labour within pharmacy.

(2) The charge is sometimes made against pharmacists that they go outside their province when they "prescribe"; but it must not be overlooked that chemists' shops are quite frequently signposts to doctors' surgeries, in case of members of the public really requiring skilled medical and surgical aid. The medical profession would never be shortsighted enough even to attempt to deprive the pharmacist of his age-old custom of recommending simple remedies over the counter. Why? Because, if the pharmacist were deprived of this privilege, it would only drive "underground" the less educated members of the public by driving them to seek advice in much less informed quarters. This would prove detrimental to the interests of the medical profession, which does appreciate the fact that the pharmacist, in his statutory responsibility to the public, clearly recognises cases which are outwith his province, and advises accordingly.

(3) Have you noticed that, while pharmacists, through lack of vision on the part of our leaders, are in no way associated with gas defence measures, certain multiple chemists are getting much desirable publicity as the fruit of their having the foresight to train some of their employees in this direction? Remember, they at least did appreciate that the M.P.S. qualification did lend itself to this training. Can we afford to lose our identity in these protective schemes, and at the same time call ourselves chemists? Can we not at least follow the

lead of other countries or other professions, and ensure that our future pharmacists will have some knowledge of this subject? Incidentally, many of us wonder just what position the Spanish pharmacist occupies in connexion with any contemplated gas warfare in that unfortunate country. This information, at this time especially, might be helpful and suggestive to our organisation.

(4) We of the rank and file appreciate, only too late in the day, that with better representation on the Council, and an altered outlook on the part of our officials, we can do much better by further consolidating our economic position in the community. The recent recommendations of the Select Committee, which wellnigh brought us to economic disaster, clearly indicate a lack of purpose and policy on the part of our past leaders; and this alone should spur every member to register his vote emphatically at this election. Despite some disappointments, many of us are satisfied that, as a result of the last election, the wheels of pharmaceutical progress have at least been oiled. Many of our outgoing councillors are to-day paying lip-service to the necessity of our having some sort of propaganda for our qualification; but only too well do I recollect how little support they extended to a resolution bearing on this, which, time and again at different conferences, has been put forward by the Tees-side Branch. Some of the outgoing members we can ill afford to lose; but at the same time, we must encourage the new men, to whom, for coming forward at this critical time, we should be indebted.

Yours faithfully,

Middlesbrough.

R. MACDONALD MURRAY.

Advertising in a Small Way

SIR.—The address given at Leeds on "Advertising in a Small Way—Does it Pay?" (*C. & D.*, May 1, p. 509) must have been instructive, because the subject presents a difficult problem to the chemist in a small business. So many chemists look at the initial cost but have no definite clues as to the probable results. One way in which the outlay can be determined is to allot a definite percentage of the profits annually, a method which automatically expands the range of advertising as returns increase. There are two other statements reported in the same issue which chemists would be well advised to remember. Mr. Mortimer (p. 510) said that the adequate profits ensured by the P.A.T.A. on proprietary lines had brought large numbers of parasitic traders into the field, and Mr. Mallinson (p. 511) remarked that chemists had filled their windows with advertised medicines, regardless of the fact that they were being also distributed by other classes of traders. My advice is to feature none but one's own packs, and when the advertisements appear to have the lines displayed in the window and on the counter.

Yours faithfully,

SMALL ADS (5/4).

The Art of Oratory

SIR.—Your editorial note on "Pharmacists as Public Speakers" and the efforts of some of the younger generation of pharmacists (*C. & D.*, May 1, p. 522) is most interesting. One has but to attend a few meetings of pharmacists to realise that as a rule those present are not ready public speakers. Even when an evening is devoted to open discussion or to what is termed a "grouse night," and members can choose their own subject and air their pet grievances, they seem to have the greatest difficulty in putting their ideas into fluent speech. And if a member is asked unexpectedly to propose or second a vote of thanks he is more often than not quite at a loss to find anything coherent to say. As a contrast one cannot help admiring the capability of imported speakers to hold a meeting for an hour or more with an address on pharmaceutical topics, and yet tell their audience nothing of importance beyond what they can read for themselves any week in the trade Press. But the one speaker I do not like is he who enjoys public speaking—no matter what the subject is he will get on his feet, and his only difficulty is to be able to sit down again.

Yours faithfully,

ELOCUTIONIST (6/4).

Dispensing Notes

An Immiscible Liniment

SIR.—I beg to submit the following prescription which has been presented to me. Can you devise a method of mixing so as to make a presentable preparation?

Methyl salicyl.	...	...	...	...	5j.
Oil. betulae alb.	...	...	...	...	2ij.
Glycerin, bellad.	...	...	...	...	2j.
Oil. olivea ...	...	...	...	...	5j.

Ft. liniment.

Yours faithfully,

J. S. (19/3).

[This preparation cannot be made presentable, if you mean by that term a clear, miscible liniment. The quantity of belladonna is too small to be of any use, but as it is prescribed you have no alternative but to make it up, and label it "To be shaken vigorously before use."]

Potassium Iodide in Oily Spray

SIR.—How should the following be dispensed to form a clear solution for an atomiser?

Iodi	...	...	...	...	gr. v.
Potass. iod.	...	...	...	...	gr. x.
Oil. menth. pip.	...	...	...	...	iiij.
Paraff. liq.	...	...	...	ad	5j.

Yours faithfully,

SPRAY (2/4).

[Potassium iodide is insoluble in liquid paraffin. Iodine is soluble in essential oils, and is soluble about 1 in 20 in liquid paraffin. We should dissolve the iodine in the liquid paraffin to which has been added the peppermint oil, and leave out the potassium iodide—provided you can inform the doctor that the potassium iodide is insoluble.]

A Phenazone Mixture

SIR.—Can you tell me how to prevent the following mixture from depositing on standing?

Phenazoni	...	...	...	...	gr. v.
Potass. brom.	...	...	...	...	gr. viiss.
Sodii salicyl.	...	...	...	...	gr. v.
Spt. amin. arom.	...	...	...	...	iiij.
Aq.	...	...	...	ad	5ss.

Yours faithfully,

BRUM (3/4).

[There is no decomposition here, and we cannot see what would deposit on the sides of the bottle. The mixture becomes the colour of brandy, owing to the oxidation of the sodium salicylate in the presence of ammonia, but does not deposit in fourteen days. Distilled water should always be used when spt. amm. arom. is dispensed.]

A Slow Change

SIR.—I made up the following mixture from a specialist's prescription, and after standing a short time the mixture remains full of ammonia vapour. Please explain cause and remedy:

Ammon. bromidi	...	...	...	...	gr. vijj.
Potass. cit.	...	...	...	...	gr. xx.
Sodii bicarb.	...	...	...	...	gr. xv.
Magnes. carb. pond.	...	...	...	...	gr. xv.
Spt. chloroformi...	...	...	...	...	iiij.
Aq. menth. pip....	...	...	...	ad	5ss.

Yours faithfully,

W. L. C. D. (7/4).

[There appears to be no decomposition in this mixture on first glance. When plain distilled water is used there is a distinct smell of ammonia on the fourth or fifth day. This is caused by the alkali ions produced on standing, or by the hydration of the sodium bicarbonate. Sodium bicarbonate very frequently contains small quantities of sodium hydroxide. Whether the ionisation of the potassium citrate in water would give this result with ammonium bromide is a subject for testing, but solutions are frequently strongly alkaline. There is nothing that you can do in this case if you have used pure chemicals. If your potassium citrate is on the acid side the bicarbonate will neutralise it. It would be wise to inform the customer that the taste might change if the mixture is kept for some time.]

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

G. A. W. (4/51).—BORAX FOR PRESERVING EGGS.—There seems to be very little information available on this subject, but we understand that eggs can retain their freshness if kept immersed in a solution containing 4 oz. each of borax and boric acid in one gallon of water.

G. A. M. (7/4).—CHILDREN'S COUGH MIXTURE.—The formula for which you ask (P.F. 207) was published in the C. & D. Diary for 1924, and is as follows:—

Tr. camph. co.	...	...	...	...	5j.
Spt. aetheris nit.	...	...	...	...	5j.
Acet. scilla	...	...	...	...	5j.
Ext. ipecac. liq.	...	...	...	...	2iss.
Chloroformi	...	...	...	...	5j.
Liq. coccii	...	...	...	...	5ij.
Glycerin...	...	...	...	...	5iv.
Syrupi	...	...	...	...	5xx.
Aq.	...	...	...	ad	5xl.
5j. pro dosis.					

C. Z. (30/49).—POISONS.—Anæstheform (or di-iodophenol-sulpho-ethyl-*p*-aminobenzoate) is a Part I poison, being included in the Poisons List as ester and salt of para-aminobenzoic acid. Subcutin (phenol-sulpho-ethyl-*p*-aminobenzoate) is likewise a Part I poison, being a para-amino-benzoic acid derivative. Both products are unscheduled poisons.

A. E. L. and G. S. W. (8/4).—PULV. IPECAC. CO.—Although lactose is used as the diluent in the B.P., 1932, instead of potassium sulphate (as given in the new Dangerous Drugs Exemptions Schedule, C. & D., May 8, p. 542), we learn that the Home Office will accept the current pharmacopœia formula and also its use in preparations No. 15 and No. 16. The formula for Dover's powder in the Schedule is that of the B.P., 1914.

A. H. G. (7/4).—CHEWING GUM.—Chicle is usually employed as a basis. It is first purified from foreign matter by boiling in water. A general formula for chewing gum is as follows:—

Gum chicle	...	...	...	...	1 lb.
Powdered sugar	...	...	...	...	3 lb.
Flavouring ingredients	...	...	...	a sufficiency.	

Flavouring used is usually essential oils in the proportion of 1-2 drachms per lb. of finished gum.

J. V. B. (6/4).—BIRDS' EGGS.—Liquor potasse is used by some egg collectors to hasten decay in an embryo. Great care must be taken in using it, as it has a bad effect on the shell, but used in small quantities, with very thorough washing out afterwards, it is a helpful adjunct.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," May 14, 1887

The Pharmaceutical Society's Annual Report

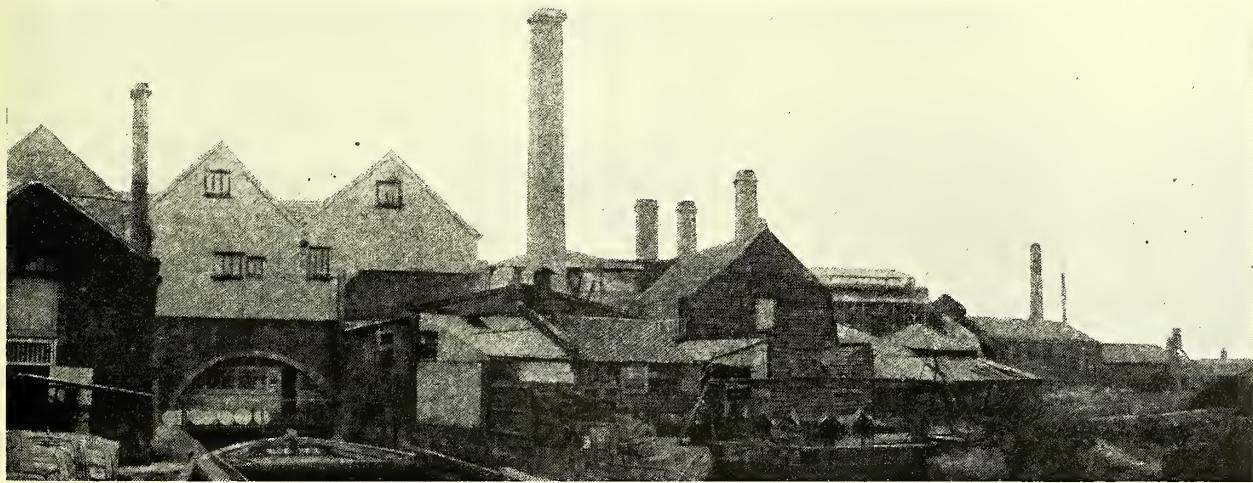
The report—the forty-sixth of its kind—however, comes up smiling as usual, and in its first paragraph congratulates itself and everybody on "the continued satisfactory financial position of the Society." . . . One paragraph in the report is worthy of attention from this aspect. It is stated that "the ground lease of the premises 15 and 16 Bloomsbury Square, and of a piece of land in the rear, has been secured; a contract for building premises on the latter has been entered into, and the work is well advanced. It is intended that the accommodation in the new building shall consist of an examination hall, laboratory and dispensary, to be used for the purpose of conducting the Society's examinations, and other laboratories for chemical and pharmaceutical research work, and for such other purposes as may be necessary." This is a large scheme which has grown out of the suggestion of a Research Laboratory, made by Mr. Giles three years since. It is likely that at that time Mr. Giles contemplated the expenditure of some £200 or £300 a year. The scheme as now filled in will hardly be put through on the present annual surplus, apart from the expenditure on building, which is not likely to be light.

May 15, 1937

THE CHEMIST AND DRUGGIST
SUPPLEMENT

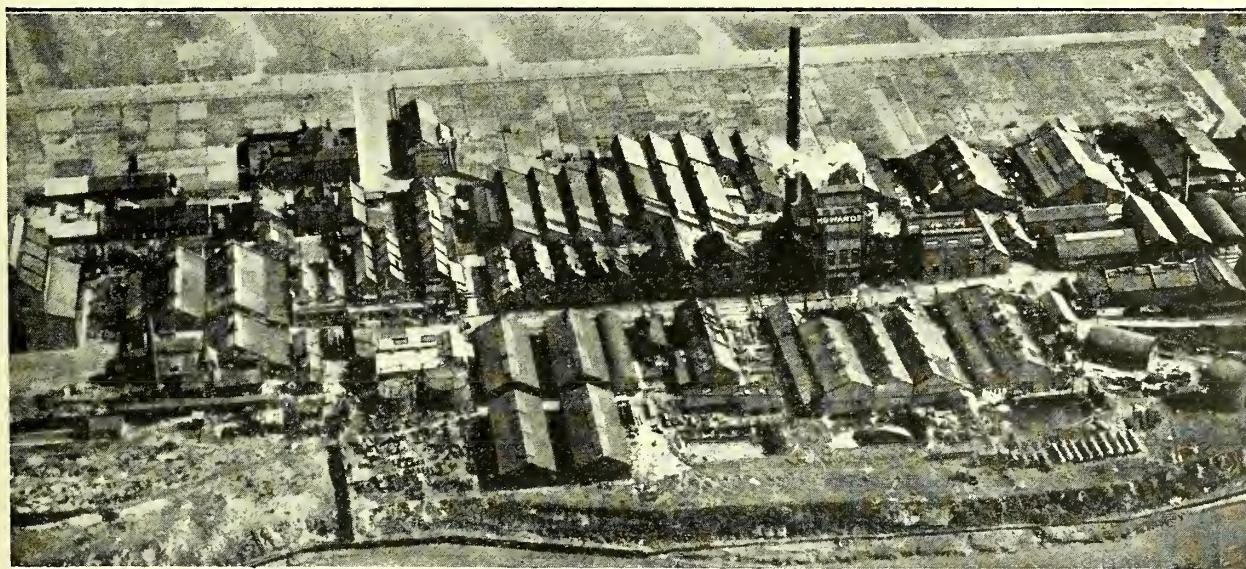
AT THE CORONATION OF GEORGE IV

Howards had already been established for nearly a quarter of a century, and were working in the old laboratory at Stratford, the appearance of which can have changed very little when this view was taken.



AT THE CORONATION OF GEORGE VI

Howards' Ilford laboratories and workshops cover 550,000 square feet of floor space and are being constantly expanded.



HOWARDS & SONS LTD. (Est. 1797) ILFORD

C C

MYSORÉ SANDALWOOD OIL

Mysore Sandalwood Oil is produced in Government factories where the strictest methods of distillation and control ensure that each consignment is of almost identical composition, with a guaranteed minimum of 90% pure Santalol.



THE TRADE COMMISSIONER FOR MYSORE IN LONDON
GRAND BUILDINGS
TRAfalgar Square
LONDON, W.C.2.

Sole Agents for U.S.A.: Messrs. W. J. BUSH & CO., Inc.
 11 East 38th Street, New York

Sole Agents for Canada: Messrs. W. J. BUSH & CO. (Canada) Ltd.
 432 St. Helen Street, Montreal

ROURA & FORGAS
 14 SEETHING LANE, GT. TOWER ST.,
 LONDON, E.C.3

Phone : ROYAL 3080

QUICKSILVER

Send your Enquiries to the
 SOLE IMPORTING BUYERS for the WORLD
 of the production of Quicksilver
 of MINAS de ALMADEN, SPAIN

EPSOM SALTS
*Commercial and B.P. Qualities
 also Powdered*

Glauber's Salt
*Commercial and B.P. Qualities
 and Desiccated*

Zinc Sulphate
Commercial and B.P. Qualities

Zinc Chloride
Fused, Granulated and Liquid

**WILLIAM
 BLYTHE
 & CO., LTD.**
 Holland Bank Chemical Works

**CHURCH
 LANCASHIRE**

**Hyposulphite
 of Soda Pea Crystals**

**Lead Arsenate
 Paste and Powder**

**Precipitated
 Sulphur
 WEED KILLER**

*A list of our general Technical
 Chemicals sent on application*

ALKALOIDS

FINE CHEMICALS AND OPIUM DERIVATIVES

Goods
covered by
Dangerous Drugs
Acts offered
subject to all
regulations

Aloin • Atropine • Bismuth Salts • Caffeine • Cantharidin
Capsicin • Chloroform • Chrysarobin • Codeine • Diamorphine
Emp. Canth. Liq. • Ephedrine • Ergotin • Eserine • Ethyl-
morphine • Gingerine • Hyoscyamine • Jalap Resin • Leptandrin
Morphine • Opium • Podophyllin Resin • Salicin • Santonin
Scammony Resin • Strychnine • Veratrine and other
Pharmaceutical Chemicals and Preparations.

T. & H. SMITH
LTD.

25 CHRISTOPHER STREET, LONDON, E.C.2

Blandfield Works,
Edinburgh,
32-34 Virginia St.,
Glasgow

GUMS

Acacia
Tragacanth
Karaya
Benzoin
Copal
Mastic
Damar

SHELLACS

and

WAXES

Japan Wax, White
Bees Wax, Candelilla
Wax, Carnauba Wax

Official Agents
ANGELO BROS. LTD
SHELLACS

In natural
and powder
form

A.F.SUTER & CO.LTD

133 FENCHURCH ST., LONDON, E.C.3

'Phones, Mansion House 0347 (2 lines). Grams, Suterresin, Fen, London

"Eagle" Brand Chemicals

B.P.

PRECIPITATED
SULPHUR

PHOTOGRAPHIC
H Y P O

B.P.

EPSOM SALTS

B.P. GLAUBER SALT
ARSENATE OF LEAD

Enquiries Invited

JOHN RILEY & SONS, LTD.

—Chemical Manufacturers

HAPTON near BURNLEY

Telegrams: "Rileys, Hapton."

Telephones: Padham 290/1



**PHYSIOLOGICAL TREATMENT
OF CONSTIPATION**

**INTESTINAL GLAND EX. AGAR AGAR
LACTIC FERMENTS. BILE EXTRACT**

DISPLAY TAXOL ON YOUR COUNTER

FROM ALL WHOLESALERS

**CONTINENTAL LABORATORIES LTD.
30 MARSHAM STREET LONDON S.W.1**

EXPERIENCE

**EXTENDING OVER HALF A CENTURY
in the manufacture of**

PILLS, TABLETS, CAPSULES

enables us to offer these goods at

**KEEN PRICES
FOR HIGHEST QUALITY**

**PILLS AND TABLETS COATED IN
MANY VARIETIES**

**PEARL — SUGAR — GELATINE
GELATINOUS IN A VARIETY OF
COLOURS
ALSO
GOLD AND SILVER**

WRITE FOR SAMPLES, QUOTATIONS & PRICE LIST

HOWARD LLOYD & CO., LTD.

**Manufacturing Chemists
LEICESTER**

Paramount

PRODUCTS
The 'CHEMISTS ONLY' Confections
that *SELL*

**PERFECT PACKS
PRODIGIOUS SALES
PHARMACEUTICAL QUALITY**

**PARAMOUNT PRODUCTS LTD.
BRITANNIA HOUSE, BRADFORD
London Depot: St. Leonards, East Sheen, S.W.14**

GLYCERIN

**We supply all grades of Glycerin
for pharmaceutical purposes**

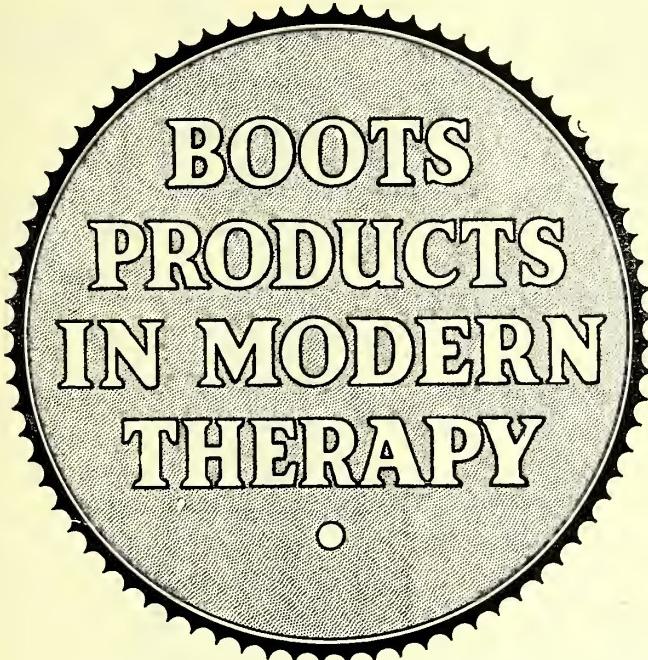
May we have your enquiries?

GLYCERINE LIMITED

UNILEVER HOUSE, BLACKFRIARS, E.C.4

'Phone.: Central 7474
GET 75G-254A

'Grams: Glymol, Telex, London



ACRIFLAVINE—BOOTS

AMMOKET (Elixir of Ammonium Mandelate)

BISMOSTAB (Injection of Bismuth, B.P.)

CALCIOSTAB (10% Calcium Thiosulphate)

CHLOROSTAB (Bismuth Oxychloride,
Suspension in Isotonic Glucose)

COMPOUND FLUID EXTRACT OF LIVER—BOOTS

DRY EXTRACT OF LIVER—BOOTS

(Extract Hepatis Siccum, B.P.)

HEPASTAB (Intramuscular Liver Extract)

HEXYL-RESORCINOL (Capsules and Tablets)

INSULIN—BOOTS

LIVRON (Compound Liver Extract and Iron)

NEOKET (Compound Mandelic Acid Granules)

NOVOSTAB (Neoarsphenamine)

PEPSAC (Desiccated Stomach Substance)

PITUITARY (posterior lobe) EXTRACT—BOOTS

QUINOSTAB (Iodo Bismuthate of Quinine,

(Suspension in Oil))

SULPHOSTAB (Sulpharsphenamine)

STABILARSAN (Arsphenamine Digluconide)

THIOSTAB (10% Sodium Thiosulphate)

Prepared in our own Laboratories
under strict scientific control, and,
whenever necessary, biologically
and clinically tested before issue.

WHOLESALE AND EXPORT DEPARTMENT
BOOTS PURE DRUG CO. LTD.
NOTTINGHAM - - - - - **ENGLAND**

PETROLEUM JELLIES

WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

WHITE & COLOURED OILS

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

LIQUID PARAFFINCOLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES

*Wholesale Trade only.***STERNS LTD.**

16 FINSBURY SQ., LONDON, E.C.2, ENGLAND

Telephone: NATIONAL 7644 (7 lines)

Telegrams: "CENTUMVIR, PHONES, LONDON."



"FELLOWS"

TRADE MARK

COMPOUND SYRUP OF HYPOPHOSPHITES

A reconstituent that can be recommended with confidence for nervous disorders, lack of vitality, "run-down" conditions, anaemia, and loss of appetite.

This reliable preparation will not only retain your customers, but will add to them. "FELLOWS" has never been successfully imitated.

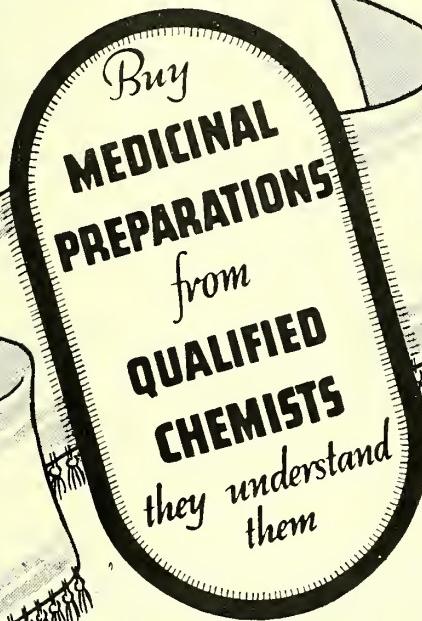
The sale and recommendation of "FELLOWS" will enhance your prestige, and add distinction to your pharmacy, because it commands the confidence of the "Medical Profession" and of the "Public."

FELLOWS MEDICAL MFG. CO., LTD.

286 St. Paul Street West

- - - - -
Montreal, Canada

WILL YOU HELP US TO CARRY this BANNER?



In our large Brooklax advertisements appearing in the National Press, we devote prominent space to hammering home the slogan, "BUY MEDICINAL PREPARATIONS FROM QUALIFIED CHEMISTS — THEY UNDERSTAND THEM."

Gradually, the public is being educated to go to the chemist. Will you help us in this national campaign? You can participate actively by using any of our wide variety of useful sales aids such as Kristal Envelopes, Bottle Bags, Adhesive Tape, Enamel Plates, etc. Besides being really helpful in your pharmacy, each of these sales aids carries the vital educative slogan you see above.

*Write for interesting new pamphlet "8
SPECIAL OFFERS"*

QUALIFIED CHEMIST
Affix your name here



WESTMINSTER
LABORATORIES LTD.
4-12, Palmer Street,
London, S.W.1.

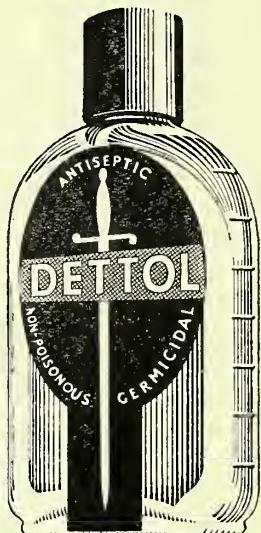
BROOKLAX NEVER LETS CHEMISTS DOWN

**The
success
of
'DETTOl'
the
modern
antiseptic**

The popularity of 'Dettol' among doctors and its ever increasing use in hospitals are based upon its very real advantages.

Although deadly to germs, 'Dettol' is gentle to tissue, and can be used at really effective strengths. It thus possesses marked superiority over carbolic and cresylic antiseptics. 'Dettol' is non-poisonous, will not stain, and has a distinctly pleasant odour.

'Dettol,' in attractive bottles, sells at the reasonable price of 1/- for 4 ozs.; 3/- for 16 ozs. Larger sizes for medical and hospital use.



'DETTOl'
TRADE MARK
**THE MODERN
ANTISEPTIC**

RECKITT AND SONS LIMITED (PHARMACEUTICAL DEPT.) HULL LONDON: 40 BEDFORD SQUARE, W.C.I

HALIBUT LIVER OIL

PURE HALIBUT LIVER OIL CAPSULES AND EMULSION

We offer genuine Halibut Liver Oil of high vitamin potency, also Halibut Liver Oil Capsules and Emulsion. Ask for samples and prices.

OFFICE & WORKS: HALIFAX & HULL

ALL CHEMISTS SHOULD STOCK

ABDINE

THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits. Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale Houses. Attractive Display Material constantly available.

DUNCAN McGlashan LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes
GUARANTEED ABSOLUTELY PURE

MIDGLEY & PARKINSON, LTD.
Warren Works, Pudsey, LEEDS

Antiphlogistine

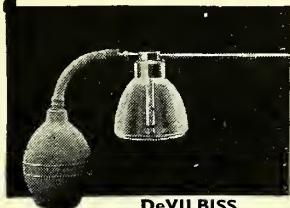
Brand Dressing

HUMAN & VETERINARY
MADE IN ENGLAND

Write for Special Quantity Terms

The Denver Chemical Mfg. Co., Carlisle Road, London, N.W.9

PREVENTION IS BETTER THAN CURE

**DeVILBISS
ATOMIZER No. 15**

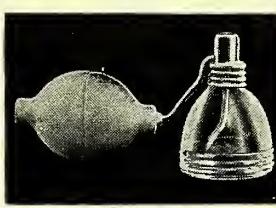
This well-known nose and throat Atomizer sprays oil or aqueous solutions with equal ease. Adjustable tip permits spraying in any direction.

Every home needs one or more DeVilbiss Atomizers. DeVilbiss Atomizers have been used and prescribed by the medical profession for more than 45 years, and to-day the DeVilbiss range includes improved Atomizers of every required type. DeVilbiss Atomizers are reasonably priced, fully guaranteed and carry handsome profits. Conspicuously displayed, they stimulate the sale of medical and antiseptic solutions—and sell themselves.

Price list on application

**DeVILBISS
NEBULIZER No. 45**

For oils only. Produces a large volume of extra dry vapour for deep inhalation.

**ATLAS ATOMIZER No. 20**
A compact and dependable nasal Atomizer producing a medium spray from either oil or water solutions.**ATLAS ATOMIZER No. 25**
A nose and throat Atomizer of high quality for oil or water solutions. Gives a fine, continuous spray.

DeVilbiss ATOMIZERS

AEROGRAPH CO., LTD., 43, HOLBORN VIADUCT, LONDON, E.C.4

CVS-93

PRICES RISING!

A CONTRACT PLACED NOW WILL SAVE YOU MONEY

EFFERVESCENT

SALINES AND CITRATES

OF ALL TYPES

May we have the pleasure of your enquiry?

Telephone :
HOP 2422 (4 lines)

Telegrams :
"USHENSPUNA,
LONDON"

ROBERT BLACKIE

SHEN WORKS
TOWER BRIDGE ROAD, LONDON, S.E.1

N.B.
— AND
SPUN
OINTMENTS—OF COURSE

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933
Conditions of Sale
—: UNAFFECTED :—

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

Sole Proprietors:
J. T. DAVENPORT Ltd.



**Union St.,
London, S.E.1**

To BUYERS of TRUSSES!

The most complete up-to-date facilities for the manufacture of RUPTURE APPLIANCES of every known English and American pattern are operating at

**BLACK BULL WORKS,
MARKET ROAD, LONDON, N.7**

Hard Rubber, Celluloid, Leather and Mole
 Covered and Elastic Band Trusses, under the

"MASTER"
BRAND
TRADE MARK



are sold in all
Markets of the
World.

"KO-RALLIUM." A new flexible covering for Steel Springs, is immune from Warping, Cracking, Shrinking or Peeling, Non-Inflammable, Impervious to Moisture, Neutral to URIC ACID Secretions.

Supersedes Hard Rubber or Celluloid.
 Get to know of this. It is Something Different!

Suspensory Bandages and Jock Straps

We offer distinctive lines of outstanding value. Our weaving sheds allow of all intermediate profits being passed to our customers.

Write for sample range at Special Rate, then compare.

F. SCHUTZE & CO., LTD.
 Black Bull Works, Market Road, London, N.7

There is going to be a big demand for
SOUTHALLS
"CELTEX" SOLUBLE
SAN TOWELS



"HERNICURA" TRUSSES
(REGISTERED NO. 254807)
AND SURGICAL APPLIANCES

WE ARE SOLE PROPRIETORS
(Infringers will be prosecuted)
 WILL BUILD UP YOUR TRUSS TRADE
 DISTRICT SOLE RIGHTS GIVEN

Send for Illustrated Wholesale Price List

JEFFERSON & SON
"HERNICURA" TRUSS AND SURGICAL APPLIANCE SERVICE
 ETON RD., WOOLWICH, LONDON S.E.18 PHONE: WOOLWICH 0607

THE NEW
"NIGHTCAP" DRINK
 BRINGS
 PERFECT SLEEP



MASONA is a purely Herbal preparation
 Packed in artistic style Retails at 1/- per bottle
 APPLY FOR TERMS TO
NEWBALL & MASON Ltd., NOTTINGHAM

URICURE TABLETS

REGD

The Greatest of all Rheumatic remedies
 A LINE THAT ONLY CHEMISTS CAN SELL
 1/3 size, 7/-; 3/- size, 17/6; 5/- size, 25/- per doz.
 The Acton Pill & Tablet Co. Ltd., Ash Vale, Surrey

DOMOLENE The Miracle Ointment, Price 1/6,
 stops Pimples, Boils, etc.

DOMOLENE-WOOL Stops Blood Poisoning,
 Price 1/6, (Trade) per $\frac{1}{2}$ -doz. 6/9
 NATIONALLY ADVERTISED

Distributors to the Wholesale and Retail Trade:
 MAY, ROBERTS & Co., Ltd.,
 BURGOYNE, BURBIDGES & Co., Ltd.,
 D. MAWDSLEY & Co. (for Lancashire), Shudehill, Manchester

DOMO REMEDIES Ltd., Plantation House,
 FENCHURCH ST., LONDON, E.C.3 Phone: Mansion House 5754

Semper Eadem

With Liquid Paraffin constancy is
 recognised to be absolutely essential. Chemists
 who obtain their supplies from us, do so because
 they know that they are sure of obtaining an oil
 of high and unvarying quality.

Our steadily increasing sales are
 proof of the growing realisation of this
 important fact.

C.E. THURLEY & SON

UNITY WORKS

LATIMER ROAD E.7

PHONE: MARYLAND 4686



Increase
 your
 turnover....

by keeping
 well stocked with

PHOSFERINE

BRAND TONIC

The Greatest of all Tonics



This popular Tonic Medicine
 is always in demand and
 is supported by intensive
 National Advertising.

LIQUID and TABLETS

1/3, 3/- and 5/-

CARRIAGE PAID.

MONTHLY A/C

Window display terms in United Kingdom
 on application to:—

PHOSFERINE (ASHTON & PARSONS) LTD.
 La Belle Sauvage, Ludgate Hill,
 LONDON, E.C.4

Hospitals cure by **Thermo-Penetration**:-

'DUO-RAY'

Perfectly Safe 28000 in Daily use

Manufactured by **F.W. Read & Sons, Ltd.**
Telephone: TERminus, 4074

As supplied to:-
London Hospital,
King's Coll. "
Guy's "
Royal Free "
St Mary's "
London County Council,
British Red Cross,
Admiralty,
War Office,
Crown Agents, etc.

RHEUMATISM, NEURITIS,
LUMBAGO, SCIATICA,
VARICOSE ULCERS &
ALL CONDITIONS OF PAIN.

Send for Catalogue No. 106

Price: **95/- complete**

13 Models

175-9, Gray's Inn Road, London, W.C.I.

ACORN

NATIONALLY ADVERTISED to 17 MILLION MONTHLY

● Acorn Foot Paste is profitable and easy to handle. Packed in hygienic tins. 100% pure. 100% safe. Attractive counter displays.

OBTAINABLE from Butler & Crisp, May, Roberts & Co., Ltd., Brooks & Warburton, Ltd., etc., or your usual wholesaler.

Sole Manufacturers : **GALLOPS, LTD., 115, EARL'S COURT ROAD, LONDON, S.W.5**

FOOT PASTE
Sells at 4d A TIN

SURE TO SELL SU-CAN SOLUBLE SANITARY TOWELS

Obtainable from your usual wholesaler.
ROBINSON & SONS, LTD. CHESTERFIELD & 168 OLD ST., LONDON, E.C.1

"MOSANS"
Non-Greasy, Odourless

QUININE PESSARIES

15/- per dozen boxes

ORDER THROUGH ANY WHOLESALER
or from
MOSANS LABORATORIES 15 ELMCOURT ROAD, S.E.27
Agents for South Africa: THE MONSOL DISTRIBUTING CO.
16 STANDARD BANK CHAMBERS, JOHANNESBURG.

Prentif

THE NAME BEHIND THE APPROVED CONTRACEPTIVE PRODUCTS

"Prentif" Non-greasy Galatine Suppositories and the smaller "Prensols"—the approved chemical contraceptives for use with any mechanical appliance. Maximum spermicidal power, accurate melting point and many other improvements make these Suppositories the best obtainable. Very generous Trade Terms.



Particulars, Prices & Samples from :

PRENTIF LIMITED

Long's Court, St. Martin's St., London, W.C.2
Telephone: WHitehall 9270

SOLE AGENTS IN GREAT BRITAIN FOR HOLLAND-RANTOS CO. INC., NEW YORK, manufacturers of "Koromex" Products.

Supplied for retail sale only to Chemists and Druggists or Chemists' Wholesale Houses

**HYPODERMIC & SERUM
SYRINGES & NEEDLES**

WHOLESALE &

**INSULIN & TUBERCULIN
SYRINGES & NEEDLES**

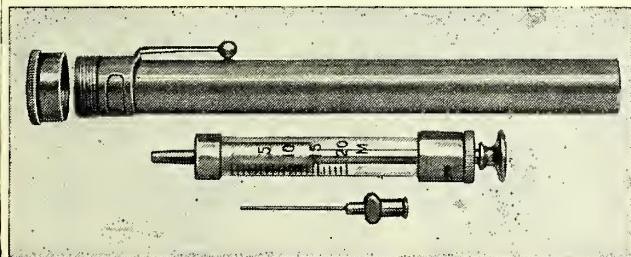
EXPORT ONLY

Manufacturers of :**Fivepoint Record****Fivepoint Glascord****Fivepoint Two-piece Glass
and other Syringes**APPLY FOR : ILLUSTRATED LIST
& PARTICULARS

**BARRELS
FROM
ANNEALED
GLASS
OR
PYREX GLASS**

Fivepoint Midget Syringe
for Insulin Injections.

PYREX GLASS POSSESSES STRENGTH AND DURABILITY. IT DOES NOT CRACK OR BREAK WHEN SUDDENLY TRANSFERRED FROM 300° C. TO WATER AT 5° C. THIS ATTRIBUTE IS A BOON TO MEDICAL MEN, HOSPITALS AND INSTITUTIONS



**Broken syringes of any make can
be repaired with Pyrex glass.**

The latest Pocket Type—Spirit proof case—Hypodermic Syringe and Needle is known as **The Fivepoint-Midget**. The case dimensions are 5 inches long by $\frac{1}{2}$ inch diameter, this being the size of the average Fountain Pen

APPLY FOR PARTICULARS

Telegrams :
"TOURNIQUET,"
SMITH, LONDON

GENERAL SURGICAL COY., LTD., ROSEBURY AVENUE, LONDON, E.C.1

Telephones :
TERMINUS
1046, 1047, 1048

*Do you buy your
**SURGICAL
DRESSINGS**
from the manufacturers?*

ARTHUR BERTON LTD.

" BRITANNIA HOUSE "
256-260 OLD STREET, LONDON, E.C.1

Specialists in the production of
ALL SURGICAL DRESSINGS

THE
"MATER"
CLINICAL REGD.
The position of the Mercury column is at once
perfectly plain. Red markings above 99.4.



**ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS**

**PERKEN, SON
& CO. LTD.**

(ESTABLISHED 1852)

Price List on Application:

94 HATTON GARDEN,
LONDON, E.C.1

Telephone : 0724 Holborn
Telegrams: "Optimus, Smith, London."

TINS

to meet every demand

Drug, Chemical & Cosmetic Industries

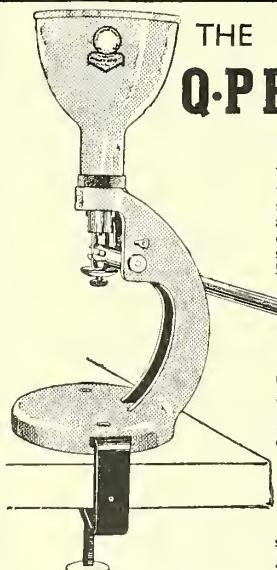
**PLAIN & DECORATED
TIN BOXES &
CANISTERS**

*May we quote for your next requirements
our prices will interest you . . .*



LORD BROS. & CO. LTD.

BROADHEATH Near MANCHESTER
ESTABLISHED 1895 TELEPHONE ALTRINCHAM 2156



THE Q.P. EMULSIFIER

HANDY AS A PIPETTE

This machine is exceptionally handy for making up experimental emulsions. It is compact and efficient and can be cleaned quickly without dismantling. Emulsion is rapid and stable, its capacity is unlimited yet 50 ccs. can be treated quite as well as larger quantities.

Users are finding the "Q.P." a valuable accessory to their larger power machines as small quantities of emulsions can be made without the trouble of operating and cleaning a large machine, and the sacrifice of large quantities of materials in determining their suitability can be avoided.

All the working parts are of stainless steel or special non-corrodible alloys which withstand normal chemical action.

*This machine is entirely
BRITISH AND FULLY
GUARANTEED*

Sole Manufacturers :

ORMEROD ENGINEERS LTD
SHAWCLOUGH - ROCHDALE
Telephone 4355 Rochdale



The GARDNER "QUICK-CHANGE" FINE POWDER DRESSER

The Patented quick-change screens and easy-cleaning facilities enable this machine to be used for many different powders in rapid succession without danger of contamination.

WM. GARDNER & SONS (GLOUCESTER) LTD
BRISTOL ROAD, GLOUCESTER
'Phone : 2288 'Grams : "Gardner, Gloucester."
LONDON : 19 Gray's Inn Chambers, 20 High Holborn, W.C.I. 'Phone : Chancery 7347

★ STAR

LINES

Sherley Products enjoy a reputation second-to-none. Prepared by fully qualified analytical and pharmaceutical chemists, they are the remedies on which the public RELY and the public BUY.

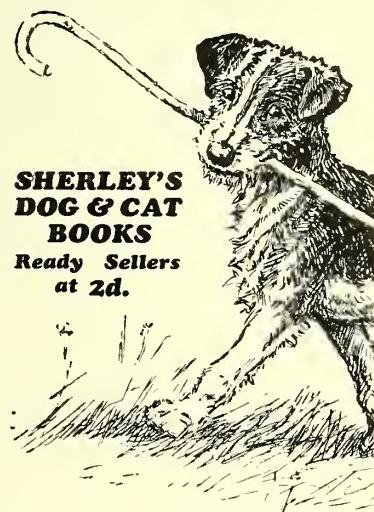
SHERLEY'S

Tonic & Condition Powders
Cat Condition Powders
Skincure
Insect Powder
Cough Tablets
Fit Tablets

DOG and CAT

Canker Lotion &
Powder
Veterinary Ointment
Nofol
Shampoo-Dry Shampoo
Dry Cleaner
Lactol & Lactol Biscuits

FOODS & MEDICINES



SHERLEY'S DOG & CAT BOOKS

Ready Sellers
at 2d.

See that you hold adequate stocks. Trade terms are generous with special extra discounts of $2\frac{1}{2}\%$ on £2 parcels plus a further 5% for window display. All show material free. A postcard brings full particulars.

A. F. Sherley & Co., Ltd.,
18 Marshalsea Road,
London,
S.E.1.

Viper Reg'd
Patent Never leak
Never drip
Flycatcher

Write for Sample & Prices to Patentees & Sole Makers :
KAY BROTHERS LTD Kibborough, STOCKPORT
Reddish.
Makers also of FLYSAC & GOROON Flycatchers.

WE HAVE BEEN FITTING PHARMACIES
FOR OVER 50 YEARS IN ALL PARTS OF
OUR EMPIRE.

H. MILLS & SONS Ltd.
CHEMISTS' SHOPFITTERS
AND SHOPFRONT MANUFACTURERS
163-5 OLD STREET, LONDON, E.C.

Let us design your Pharmacy.
Always a Large Stock of New and Second-hand Fittings.
SEND US YOUR ENQUIRIES.

**THE
EMPIRE
EMULSIFYING MACHINE**

—easily and
quickly cleaned

Invaluable for the making of Pharmaceutical Emulsions—yields a higher degree of sub-division and better homogenisation than is obtained by hand and in one quarter of the time.

1 PINT SIZE....	8/6
1 PINT SIZE....	12/6
1 PINT SIZE....	17/6

Entire machine Chromium Plated (for emulsions containing ALKALI) 25/-

BRITISH EMULSIFIERS LTD.
TEDDINGTON, MIDDX.
PHONE: MOLESEY 1202/3

A NEW "DOGGY" LINE
FOR CHEMISTS
D E G A L O I D S
FOR NERVOUS AND SHY DOGS

Cartons of 30

Retail 1/3

Bottles 250

Retail 7/6

Usual satisfactory discount

This is a preparation you can recommend with confidence to any dog lover. A tonic and alterative for all nerve troubles.

Degaloids contain no poisons or other harmful ingredients.

CHAS. ZIMMERMANN & CO. LTD.
MEDICAL DEPARTMENT

9/10 ST. MARY-AT-HILL, LONDON, E.C.3

PHONE : MANSion HOUse 6005 (four lines).
'GRAMS
ACIDOLAN, BILGATE, LONDON



The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of
The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 15,
1937.

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL, PREMISES TO LET** and **FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS FOR SALE** and **AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines=1 inch single column). (Box No., 1/- extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less. (Box No., 1/- extra.)

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-. (Box No., 1/- extra.)

REPLIES FROM ADVERTISERS—1/- per line; 3 lines 2/6.

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

CLOSING FOR PRESS

must reach us
not later than

FIRST POST THURSDAY MORNING

All advertisements intended for
insertion in this Supplement

ORRIDGE & CO.

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—**SURREY (FEW MILES OUT).**—Good Class Business taking over 3,000 per annum; excellent profits; Accountant's figures available; spacious shop, beautifully fitted and well stocked; excellent living accommodation; further details upon application.

2.—**STRATFORD, E.**—Middle and Working Class Business; takings last year approached £2,000; stock £368; rent only £65 per annum; price £850, plus stock at valuation.

3.—**SHEPHERD'S BUSH.**—Branch business for sale; takings last year £1,106; excellent profits; rent only £59 per annum; price £500 all at near offer.

4.—**FOREST GATE (OPPOSITE STATION).**—General Retail Business; established over 70 years; takings, present rate £30 per week; stock and fixtures worth about £500; valuable lease; no reasonable offer refused.

5.—**DAGENHAM.**—Middle Class Business with Wine Licence; established 12 years ago; takings last year £1,397; net profit over £300 per annum; beautiful mahogany fixtures; stock worth £350-£400; modern living accommodation; rent £100 per annum (which is very reasonable); price £150 (payable over 12 months if necessary); plus stock at valuation; fixtures can be paid for in 6 years' time.

6.—**HARROW.**—Good Middle Class General Retail Business; takings last year £1,387; net profit £450; light oak fixtures; rent £210; sublet £104; inclusive price £700, which is less than the value of the stock and fixtures.

7.—**BARNET (NEAR).**—Middle Class Business; in present hands 2 years; takings about £1,350 per annum; stock worth £350; very nice living accommodation over; new Lease; price of business £575 all at.

8.—**MITCHAM.**—General Retail Business taking about £28 per week; rent £80 per annum; long lease; excellent profits; price all at about £700, or £475 plus stock at valuation.

9.—**BATTERSEA.**—General Retail Business for immediate disposal; established 14 years; takings last year under management £1,830; stock and fixtures worth about £900; nice living accommodation over; a small sum will be accepted in respect of the lease and goodwill, stock and fixtures to be taken at valuation.

10.—**WATFORD.**—Good Class General Retail Business; takings last year over £2,250; gross profit £954; net profit in the region of £650 per annum; very nice fixtures; stock worth £725; long lease at reasonable rental; living accommodation; price asked about £1,800 or near offer.

11.—**BRIGHTON.**—Middle Class Business, established 14 years ago; takings £7-£9 per week at the moment, have been £20-£24 per week;

nice fixtures; adequate stock; living accommodation; price £300 all at or near offer.

12.—**NORTHUMBERLAND.**—Double-fronted shop; fixtures cost £900 ten years ago; stock worth £220; takings about £1,200 per annum under management; rent only £85 per annum; inclusive price, stock, fixtures, lease and goodwill £400 or near offer.

13.—**BIRMINGHAM (RETIREMENT VACANCY).**—Good Middle Class Business; established 40 years ago; net profit £250 per annum; very good stock; rent £20 per annum, including rates; price £200 all at or near offer.

14.—**GODALMING (NEAR).**—Retirement Vacancy. Good Class Business with excellent house attached; takings last year approximately £1,300; stock and fixtures worth £620 or so; rent £85 per annum; price of business £1,000.

15.—**LEICESTERSHIRE.**—Middle Class General Retail Business, established 9 years ago; takings approximately £2,000 per annum; very reasonable rental; stock worth £500; minimum inclusive price £1,250.

16.—**WORCESTERSHIRE (DEATH VACANCY).**—Middle Class General Retail Business with valuable Agencies; takings last year £4,260; excellent profits; stock and fixtures recently valued at £2,400; minimum price of business £3,500.

17.—**LEEDS.**—General Retail Business taking approximately £2,000 per annum; gross profit £890; net profit £360; double-fronted, main road, corner shop, lock up; minimum price £850.

18.—**BLACKPOOL.**—For immediate disposal. General Retail Business with sub-Post Office attached; takings last year £1,000; net profit £210 plus Post Office salary; corner shop, well fitted; stock estimated to be worth £350 and fixtures £250; purchase price £600 all at; no sum is asked for the goodwill; Vendor buying another business.

19.—**WESTERN CITY (RETIREMENT VACANCY).**—High Class Retail Business offering scope for increase; in present hands 30 years; returns over £2,400 per annum; gross profit £1,020; Vendor owns premises and will grant a lease at a reasonable rental; stock and fixtures worth about £1,100; price asked £1,850 all at or near offer; very nice living accommodation over.

20.—**BEDFORDSHIRE.**—Middle and Working Class Business; established only a few months; takings, present rate £8-£9 per week; beautifully fitted spacious pharmacy; stock and fixtures cost at least £500; flat over shop available; lump sum required for the business £500.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

ERNEST J. GEORGE & CO.

Lancashire and District Representative : Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone : Great Moor 2405

Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) LONDON, N.W.—Old-established middle-working class business, situated in busy main thoroughfare; for sale owing to retirement; average turnover approximately £2,250 per annum; net profit to owner-proprietor, £650; scope for increase; living accommodation; low rental; price £1,250 or near offer.

(C2) LANCS (GOOD-CLASS SEASIDE).—Established and well-positioned business, with good living accommodation, for sale owing to probable retirement; turnover for current year estimated to reach approximately £1,750; good scope under energetic proprietorship; stock and fixtures worth about £750; price £1,000, or near offer.

(C3) LONDON, S.W.—Established main road cash business, with increasing turnover, at present upwards of £2,000 per annum; net profit to owner-proprietor should approximate £500; good living accommodation; rent £78; good panel; price £1,100 all-at; quick sale desired for genuine reasons; early application strongly advised.

(C4) KENT.—Unopposed and rapidly increasing middle-class business, situated in growing residential district; turnover for 1936/37, £1,800 approx., with definite prospects of increase to at least £2,500 within two years; living accommodation available if required; very reasonable rental; 21-year lease; genuine reason for selling; price £1,050, or very near offer.

(C5) RUISLIP (NEAR).—Good profit-earning business situated in main shopping street; modern house above, including garden and space for garage; turnover upwards of £1,800 per annum; net profit approximately £470; reasonable rental; good scope; £400 is asked for goodwill, together with the respective values of stock and fixtures, but reasonable offers, will, no doubt, be considered.

(C6) HERNE HILL (NEAR).—Old-established, easily conducted, middle-class business, at present under management; turnover averages approximately £28 per week; lock-up shop; stock estimated at £350; price £750 all-at.

(C7) LANCS.—Good suburban family business; turnover for last year £1,993; net profit £539; net rent and rates £74 only; lease 21 years; price £1,450 or near offer; early sale is desired, as owner has agreed to purchase a larger business; well recommended.

(C8) MIDDLESEX.—Good profit-earning business, with up-to-date self-contained flat; turnover upwards of £2,600 per annum; net profit £500; optical connection, which is steadily increasing; price by negotiation.

(C9) SURREY.—Old-established family and dispensing business occupying leading position in main shopping thoroughfare; owner retiring; turnover approximately £3,400 per annum, with definite scope for negotiation.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates. Agency for locums, managers, etc.

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,
41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—CHESHIRE.—Light Family Retail and Dispensing, in good position; returns about £2,000, profits a third, audited figures; corner shop with flat over; rent £85; price £1,250, including £125 book debts (all good).

2.—SUFFOLK.—Middle-class business, in growing district of large town; returns last 12 months £1,488, good profits; modern premises on main road; price about £800; Freehold £950 (optional).

3.—HERTS.—Light Family Retail and Dispensing business, in small market town; returns approach £1,300, at good prices; good living accommodation; price £650, or valuation terms, suitable for elderly chemist seeking semi-retirement.

4.—ESSEX. (Large Town).—Light cash Retail with Photo and N.H.I.; returns £1,200, net profit £362; lock-up shop, well fitted and well stocked; rent £65 inclusive; price £600.

5.—WORCESTERSHIRE.—Good middle-class business, main corner road position; returns £1,000, net profit over £250; rent £52 inclusive; modern-fronted shop (lock up); good stock; price £500, or valuation terms arranged.

6.—EASTERN COUNTY.—Good-class Country Retail; in central position of small market town; returns last year £1,650, net profit over £450; low rent; long lease; well stocked; price £1,100, or close offer.

7.—HERNE HILL (near).—Good middle-class Dispensing business; main road position; returns £1,275, increasing, good profits; smart modern front; well stocked; large house; owner taking country business; will accept £975, or offer.

8.—HACKNEY.—Profitable; light cash Retail; returning £1,500; good panel; net profit £300/£350; smart shop, with house and garage; stock worth £500/£600; price £1,000, or offer.

9.—LONDON, S.W. (few miles out).—Good middle-class business, returning about £1,000, net profit over £250; nice house and shop; well fitted and fully stocked; family reasons sole cause of selling; price £600.

10.—STROUD GREEN (near).—Light cash Retail, with good Panel; returns under manager £20 weekly, gross profits 40 per cent.; corner shop; low rent; price about £450; recommended.

Lowest Terms for Stocktaking

Estab. 1870.

Telephone: Terminus 3574.

Bank Chambers, 329 High Holborn, London,

Telephone Nos. : Holborn 7406 & 7407 (2 lines)

W.C.1

15 Bridge Street, Walsall Telephone : Walsall 3774

for immediate and substantial increase; good living accommodation; reasonable purchase price; exceptional opportunity.

(C10) LEIGH-ON-SEA.—Value of stock and fixtures only will purchase established business with living accommodation, including four bedrooms, bathroom, etc.; present returns, approximately £15 weekly, but capable of considerable expansion; no near opposition; first reasonable offer accepted for quick sale.

(C11) HIGHGATE (NEAR).—Recently established, attractive, lock-up Pharmacy occupying very prominent position; abundant scope for passing trade; excellent display windows; value of stock and fixtures only (£850) accepted for quick sale.

(C12) MANCHESTER. (RETIREMENT VACANCY).—Unopposed, middle-working-class business with good N.H.I.; increasing turnover; returns for last financial year, £1,632; net profit to owner-proprietor, £400; living accommodation with all conveniences; property also available; reasonable purchase price.

(C13) BLACKHEATH (NEAR).—Established by present owner approximately 12 years ago; now under management; returns about £20 weekly, with scope for considerable increase; no immediate opposition; rent and rates £65 per annum; price £450, including stock £220; next offers considered.

(C14) SURREY.—Up-to-date unopposed business, very congenially situated; turnover at the moment small, but with good prospects; rent £80, including up-to-date flat; price £375 all-at.

(C15) BRIGHTON.—Established business situated in leading thoroughfare near to main centre; present returns only average approximately £1,000 per annum, but scope exists for substantial increase under personal proprietorship; value of stock and fixtures only (estimated at £450) will purchase.

(C16) LONDON, S.W.—Family and dispensing business, situated in main thoroughfare; increasing turnover; returns for last year £1,450; good N.H.I.; price by negotiation.

(C17) WORCESTERSHIRE.—Up-to-date, lock-up Pharmacy, occupying corner position; situated in growing area; increasing turnover now at the rate of approximately £20 per week; considerable building is contemplated for the very near future; living accommodation available, if required; no opposition, or likelihood of same; stock can be reduced to accord with purchaser's requirements, and a capital sum in the region of £350 will purchase.

(C18) BOLTON.—Old-established, middle-class business, occupying main-road position; increasing turnover; returns for last year upwards of £1,050; gross profit about £400; rent £40; value of stock and fixtures accepted for quick sale, the owner having agreed to purchase another business; excellent scope and opportunities for keen, energetic chemist.

Pulling Power!

Read this letter dated 15.3.37

The Chemist and Druggist,
28 Essex Street, London.

Dear Sirs,

Please cancel my advert. in the C. & D. Supplement under "Situations Wanted" as I have found a suitable post.

I feel that I should mention that the advert. was also inserted in the..... and that from your paper I received Four really good offers (and one or two indifferent ones) whilst the only produced one offer.

I must also express my appreciation of the C. & D. itself and of the service it offers. It has been almost invaluable to me on more than one occasion.

Yours faithfully,

You can always rely on the 'C. & D.' Supplement. Closes for press first post Thursday mornings.

Send your announcement to The PUBLISHER,
THE CHEMIST AND DRUGGIST
28 ESSEX ST., STRAND, LONDON, W.C.2

**THE ASSOCIATION OF MANUFACTURING CHEMISTS,
LIMITED**
(Business Agency, Transfer & Valuation Department)
KIMBERLEY HOUSE, and at EXCHANGE CHAMBERS,
Holborn Viaduct, LONDON, E.C.1 2 Bixteth St., LIVERPOOL.
PARKIN S. BOOTH, Valuer. Tel.: CITY 3691 (4 lines).
VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.
Enquiries Invited.

BUSINESSES FOR DISPOSAL

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ALFRERTON.—Good-class Dispensing and Retail Business for sale; good living accommodation; long lease; small rent; good scope for energetic man. Apply, 301/880, Office of this Paper.

OHESTER.—A good Dispensing and Family Business for sale; self-contained flat for living purposes; excellent scope for Optics; turnover £1,966; rent £85 per annum; rates £22; 14 years' lease; price required £1,250, or £550 for goodwill and fixtures, and stock at valuation; for immediate disposal; genuine inquiries only. 75/4, Office of this Paper.

DERBYSHIRE.—For immediate disposal owing to ill-health, cash Retail business with good house attached; well-stocked shop with good fittings; N.H.I. and Photographic; returns about £1,000, capable of being increased; established over 20 years by present owner; genuine inquiries only. Apply 78/30, Office of this Paper.

ESSEX COAST.—Old-established Drug Stores, premises modernised; low rent; good percentage profit and excellent Photographic business; £150. 78/51, Office of this Paper.

GLOUCESTERSHIRE.—Middle-class Dispensing and Retail Business for sale; good N.H.I. and Prescribing; scope for Optics; no Chemist-Optician near. Further particulars to bona-fide buyers (no agents, please). Write 78/48, Office of this Paper.

HARROGATE.—For disposal owing to death; High-class Pharmacy, with Photographic and Library, in rapidly developing district; on main road; number of private prescriptions, 2,500; N.H.I., 1,000 for 1956; new stock and modern fixtures; 12 years under lease; turnover for the last three years, £1,339, £1,368 and £1,370; modern house, with garden and garage, off main road, to be sold. Apply by letter to T. C. Myrtle, Chartered Accountant, 5 Raglan Street, Harrogate.

LEEDS.—Well-established business on main thoroughfare from City; excellently fitted and well stocked; reasonable rental; £650 or near figure for quick sale. For further particulars apply Mr. Parkin S. Booth, The Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

LONDON, E.7.—Cash business for sale; established over 20 years; modern shop front; nicely fitted; good saleable stock; turnover last year £1,350; lease 18 years to run; rent £75-£80; £85 per annum inclusive; stock about £250; price £550 for quick sale. 78/14, Office of this Paper.

LONDON, S.E.—Why risk opening new business when you can secure a 48 years' established Business in the main road for value of stock and fittings at £950; takings £2,021; rent shop £130, with upper part £200, or will sell lease entire premises 55 years at £28 per annum for £1,600; bargain. Saunders & Golnick, 8 Carteret Street, Westminster, S.W.1. Whiteball 5570.

SHROPSHIRE.—For immediate disposal, established business, situated important position in agricultural town; all well-known agencies in addition to high-class Sweets and Tobacco; well fitted and stocked, approximate value of latter £1,500, returns in region of £2,000 per annum. For further particulars apply Mr. Parkin S. Booth, The Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

ASPLENDID opening for a Qualified man; this business established in Surrey as a Pharmacy in 1867, and run as a Drug Store for 14 years, offers a splendid opportunity for an M.P.S.; Kodak, Sels agency; splendid opening N.H.I.; price very reasonable. Apply 301/886, Office of this Paper.

CASH Drug Stores; unopposed; present returns small, but under energetic proprietor should be easily capable of an early £30 per week; main road position; self-contained Flat with garden; price all at £225; quick sale desired for genuine reasons. (Shop), 98 London Road, Sevenoaks.

OWNER of, sound business in London with large turnover (accountant's figures) wishes to get in touch with prospective purchaser; situated in good main road position, living accommodation over; long lease; exceptional scope for Optics, Photographic, N.H.I.; genuine reason for disposal. Principals and multiple agents send for particulars. 79/3, Office of this Paper.

BUSINESSES WANTED

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CHEMIST Shop, good position; anywhere in England; turnover not less than £4,000; strictest confidence observed. P.C.B. 243/50, Office of this Paper.

PREMISES TO LET

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIGGER PROFITS!

SHOPS TO LET OR FOR SALE
suitable for

CHEMIST & DRUGGIST

in Busy Main Road Parades at Eltham, S.E.9, Southboro' (Bromley), Kent, and Hayes, Kent. Unchallenged Positions. Shops are complete with spacious self-contained flats over, with rear garage accommodation. Trade restrictions. Shop front included. Reasonable Rent. Write for plans and full details to 301/879, Office of this Paper.

SOUTH COAST, near Bognor Regis.—A new block of shops just erected to serve large Bungalow Colony with 150-acre Estate of 800 houses in course of development; an excellent opportunity for establishing new business; large shop, with good flat above; rent £150 on lease. 301/891, Office of this Paper.

SOUTHEND-ON-SEA.—Parade of new Shops: lovely living accommodation; low rent; all Staybrite steel fronts; one suitable for a Chemist. Apply Station Estate Office, opposite Prittlewell Station.

STREATHAM.—Shop to let, excellent position in High Road; specially suitable for Chemist; £125 per annum, including Flat over. Wates, 1258 London Road, Norbury. Phone: Pollards 4401.

CHEMIST.—Substantial and immediate trade on opening in splendid block of first-class shops; frontage 20 feet; multiple position, densely populated South London suburb; early application advisable. Apply Morris Land & Property Co., Ltd., 130 Mount Street, W.1. Mayfair 2056.

SPACEIOUS Modern Shops with fine fronts, in high-class residential area; £100 per annum. Apply Hickman & Bishop, Walpole Court, Hampton Road, Strawberry Hill, Twickenham; or Grellier & Son, Palace Chambers, Bridge Street, S.W.1. Whitehall 0178.

APARTMENTS

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary, Euston 2244/5.

AGENCIES

ININDIA. Director of an old-established Calcutta pharmaceutical manufacturing and distributing concern, now in London, with own organisation all over India, would like to discuss arrangements for manufacture or distribution with firms desirous to develop their business in India. Lines: Chemicals, Biologicals, Surgical Instruments, Scientific Apparatus, Sundries, Toilet Requisites, Patent Medicines and Books; representatives of Machinery and Chemical Engineering firms are also invited to suggest new schemes. 77/4, Office of this Paper.

REQUIRED, a reputable firm of Wholesale Distributors, to handle a new cosmetic with a universal appeal; first advertisement appearing in "Picturegoer" end of May. Write, 77/7, Office of this Paper.

WELL-INTRODUCED Agent at Amsterdam desires representation of British Manufacturers of Proprietary Articles, who wish to introduce their goods in the Netherlands and who are prepared to allow for adequate propaganda. Apply to 78/22, Office of this paper.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Junior Assistant or Improver wanted at once, with all-round experience for middle-class business, N.H.I. Dispensing and Counter. Applicants please give full particulars of experience, age, salary required, etc., to A. Robinson, Ltd., Chemists, 1502 Coventry Road, South Yardley, Birmingham.

BLACKPOOL.—Smart Qualified Assistant, single, for May 31; must be good Dispenser and well up in Photo and Toilet trades; permanency to suitable man. Full particulars, references, salary required, photo and height, 78/50, Office of this Paper.

LONDON Suburbs; Manager, Qualified, for small Good-class neglected business; moderate salary and commission; preferably at liberty now; view to succession on easy terms. State full particulars, 78/8, Office of this Paper.

LONDON, E.—Qualified Assistant; middle-class trade. Give full particulars of experience, names of references, when disengaged, age, and salary required. Apply (letter only), Chemist, 37 Sydenham Road, London, N.16.

LONDON, S.W.—Qualified Assistant; progressive position; Good-class Dispensing business; wanted at once. 301/885, Office of this Paper.

LONDON WEST.—Part-time Qualified, experienced Counter and Dispensing; Wednesdays 5.30 or 6 till 7.30, Sunday 6 till 7.30. State experience and terms, 78/17, Office of this Paper.

MANCHESTER VICTORIA MEMORIAL JEWISH HOSPITAL, CHEETHAM.—Locum (Hall) required as Assistant Dispenser for 2 weeks, August 9-21 inclusive. Apply to Pharmacist.

NEWQUAY.—Qualified Lady Assistant wanted from June 28 to October 4. Full particulars, age, salary required, etc., to E. M. Varley, Ltd., 38 Cliff Road.

NORTH WEMBLEY.—Unqualified Assistant, not over 35 years; necessary experience; modern Window Display; High-class Toilet and Beauty products; sound Dispensing; £3 10s. weekly to commence; excellent prospects of rapid rise for one interested in his work. Apply with photo (recent), quoting last three positions held, to A. E. Miles, 12a Court Parade, North Wembley, Middlesex.

SOUTHEND-ON-SEA.—Experienced Qualified Chemist required; state salary. Apply, S. Williams, 114 East Street, Prittlewell.

ST. ALBANS.—Qualified Manager wanted for small Country Branch. Shields & Warren, 7 London Road, St. Albans.

SOUTHEND-ON-SEA.—Lady, experienced Qualified Chemist, required; state salary. Apply, S. Williams, 114 East Street, Prittlewell.

SURREY.—Young Lady, Unqualified Assistant; must be a good Window-dresser and tactful Saleswoman, with knowledge of Photographic sales and Dispensing; able to keep books and accounts; a reliable and conscientious worker essential. State age, height, experience, and salary required outdoors, enclose photo; 78/36, Office of this Paper.

A QUALIFIED young man required at once; must be trustworthy and capable. Apply to Mr. Becker at 14a Argyll Street, Oxford Circus, after 1 p.m., or by special appointment.

AN Unqualified, also a young Qualified Assistant required for busy Dispensing business; must be accurate Dispenser and good Salesman. State age, previous experience and salary required, to 78/31, Office of this Paper. All applications not answered in seven days respectfully declined.

ASSISTANT required; quick worker and good Window-dresser. A personal interview, train fare paid by appointment, Jack L. Robinson, Ph.C., 33 St. Mary's Road, Ealing, W.5.

ASSISTANT, Unqualified, male or female, for seaside town, until end of September; good knowledge of photographic sales essential. Full particulars, age, experience, salary, to W. Windle, 8 Station Road, Swanage.

ASSISTANT wanted (Qualified male); single; age under 25; experienced Dispenser and trained in Good-class Pharmacy. Apply in writing, giving full particulars, to F. S. B., c/o A. E. Hobbs, Ltd., 33 Mount Pleasant, Tunbridge Wells.

CHEMIST-OPTICIAN, capable Qualified Manager for established business in North London; permanent and progressive appointment. Full particulars of experience and age to Morrell & Dixon, 7 Central Parade, Wembley.

JUNIOR Male, well-trained for high-class Dispensing business; exceptional opportunity to extend dispensing experience; willing and energetic. State salary, enclose photo (to be returned), 301/885, Office of this Paper.

LADY or gentleman, Qualified; permanency. State age, salary expected and experience. Teunon, Chemist, Western Road, Littlehampton.

LADY, Qualified, for Summer Relief, London. Apply with full particulars, salary required, etc., "H," 301/890, Office of this Paper.

LADY, Unqualified, for large City business; thorough knowledge of modern Toiletries; good Window-dresser essential. Apply, "S," 301/889, Office of this Paper.

LEWIS & BURROWS have vacancies for Holiday Relief Assistants, Qualified and Unqualified. Apply, with full particulars, to 146 Holborn, E.C.1.

LOCUM.—Lady, to take charge of a small Drug Store in village for three weeks commencing about June 21. Please state nearest date available, terms and references, Mrs. A. Turner, The Drug Store, Willingham, Cambridge.

LOCUM, Qualified, required for Holiday Relief in Sheffield; July 18 to September 11, lady or gentleman, young preferred. Please state full particulars, age and salary desired, 78/37, Office of this Paper.

LOCUM wanted by good-class business in Surrey, for period June 21-July 5. References in first instance to 78/3, Office of this Paper.

PHARMACIST required, either sex. Full particulars, references, etc., to Mr. A. E. Pearce, M.P.S., Chemist, 63 High Street, Sittingbourne, Kent.

QUALIFIED and experienced Assistant required for immediate engagement, for good-class business with Photographic; must be a good Salesman, courteous in manner, competent and trustworthy. Kindly state full particulars, age, height, salary required, married or single, previous experience, etc., and enclose photograph (returnable) to D. T. Evans, Ltd., Chemists and Opticians, Margate.

QUALIFIED Assistant, lady preferred, to take charge of light Retail, Dispensing and Photographic business; required by May 24; comfortable conditions offered to person who will take interest. State full particulars to Richardson, Chemist, Queen's Street, Withernsea, East Yorks.

QUALIFIED Assistant, lady, required for Barking, Essex; able to take charge; reliable Dispenser, Counter and Window dressing; another Assistant kept; closed Sundays and half-day Thursdays. Particulars, experience, age and salary required, 7 The Crossways, Westcliff-on-Sea, Essex.

QUALIFIED Assistant (male or female), working-class district. Please send full particulars, Childe, Chemist, 211 Coleford Road, Sheffield.

QUALIFIED Assistant (Male), required June 7; accustomed to busy Pharmacy, N.H.I. and Counter. Fullest particulars, including snap in first letter to Sutton, 3 Broadway, Ludgate Hill, E.C.4.

QUALIFIED Assistant, male, young; immediate. Amoore & Co., Chemists, 173 Sloane Street, S.W.1.

QUALIFIED Junior Assistant (lady or gentleman) required for country business; no Sunday duty, usual half-holiday. Apply, with full particulars, including age, height, salary required, photograph and references, to Smith, Chemist, Downham Market, Norfolk.

QUALIFIED Lady Assistant, also Male Branch Manager, wanted. Full particulars to Shackletons Cash Chemists, Ltd., 502 Great West Road, Hounslow, Middlesex.

QUALIFIED lady, experienced in N.H.I., for branch shop; Newcastle-on-Tyne. References, salary, when at liberty to 78/29, Office of this Paper.

QUALIFIED Manager (male) for branch shop, London, E.C. district; Dispensing, Counter, etc. Apply, with full particulars as to age, experience, salary required, Bewells, Ltd., 19/21 Pitfield Street, London, N.1.

QUALIFIED Manager or Manageress (young) for small medium-class business, S.E. London suburb; capable, good Window-dresser and Counter hand; starting May 24. Age, experience, salary and recent snapshot (if possible), 79/2, Office of this Paper.

QUALIFIED Manager wanted for branch in Provincial Town, about 20 miles from London; good Photographic knowledge essential. Please send full particulars, photograph and salary required, to 78/20, Office of this Paper.

QUALIFIED, wanted to manage small branch; young energetic man. Apply, Oldroyd, Chemist, Halifax.

SAVORY & MOORE have a vacancy for a Junior Qualified Assistant; good experience with excellent prospects. Full particulars in first letter to H. F. Stapley, 61 Welbeck Street, W.1.

SMALL Multiple Chemists require young Qualified Chemist shortly for Staffordshire; excellent prospects. 300/838, Office of this Paper.

UNQUALIFIED Assistant (lady or gentleman) wanted at once, permanency if suitable. State age, height, salary, etc., references and photo (if possible). Apply, W. Owen Edwards, M.P.S., Central Pharmacy, Aberystwyth, Cards.

UNQUALIFIED Assistant, young, for good class Dispensing and Retail business. Please give full particulars, references and salary required to J. A. Sharp, Caine, Wilts.

UNQUALIFIED Assistant, young Lady or Gentleman (age 18-20 years); good prospects. Apply L. Garfield, 5 North Parade, Mollison Way, Burnt Oak, Edgware.

UNQUALIFIED young Assistant (male), good Counter and Window-dressing experience, suitable vacancy for person not intending to qualify, and requires permanency. Apply, stating age, height and salary expected, with full particulars; good class business; staff four. 78/24, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

WANTED by May 24, Unqualified Assistant, age about 25; one with good Counter and Dispensing experience, able to Dress Windows. Write, giving particulars and salary required, to S. J. Coley, Ltd., 57 High Street, Stroud, Glos.

WANTED, Chemist-Optician, fully qualified, with experience in all branches of modern Pharmacy, for new branch. Give full particulars in first letter to Grays Co-operative Society, Ltd., 68 High Street, Grays.

WANTED, Junior Unqualified; good references; abstainer; small town, Gloucestershire; Dispensing and Photographic. 78/350, Office of this Paper.

WANTED immediately, Qualified Chemist, gentleman or lady; willing worker; Dispensing, Window dressing, etc.; not over 35 years of age; undeniable references required; salary offered, £5 a week. Write, with references and particulars, to 78/21, Office of this Paper.

WANTED in first-class Dispensing and Family Business, end of May, Qualified Junior Assistant, male. Apply, with photograph, particulars and references, to Pratt, Market Square, Warwick.

WANTED, Qualified Assistant; preferably with Optical qualification; good references; small town. 78/35, Office of this Paper.

WANTED, Qualified Chemist, to manage Drug and Dispensing branch under Superintendent Chemist; also Qualified Locum July 19 to 24 and August 9 to 28 inclusive. Applications before Monday, May 24, stating age, experience and salary required, endorsed "Chemist," to Managing Secretary, Failsworth Industrial Society, Ltd., 9 Church Street, Newton Heath, Manchester 10.

WANTED, young male Assistant (Qualified preferred). Apply with full particulars to A. J. Hall, 97 High Street, Maidenhead.

YOUNG Assistant required early June, lady or gentleman; near S. London Schools of Pharmacy, time can be arranged for study if required. State usual particulars and terms, which must be moderate. S. B. S., 222 Brixton Hill, S.W.2.

YOUNG Qualified Assistant wanted for good-glass Retail and Dispensing. Full particulars to Bone, Chislehurst.

YOUNG Qualified Male Assistant wanted at once; permanency. Full particulars to Ashworth, 52 Church Street, Weybridge.

YOUNG (24) Qualified M.P.S., male, required for Counter and Dispensing duties; one requiring further experience would be suitable. The Prosser Roberts Co., Pharmaceutical Chemists, 85/87 Lambeth Walk, S.E.

WHOLESALE

HOUSE of National importance requires young Qualified Chemist for outdoor Selling Staff. Reply, giving full experience, age and salary required, to Box 511, c/o, C. Mitchell & Co., 1 Snow Hill, E.C.1.

KEEN Salesmen, on part expenses and Commission basis, for well-known proprietary Toilet article. State area covered, experience, Box R.B. 101, Walter Judd, Ltd., Advertising Service Agents, 47 Gresham Street, E.C.2.

PRODUCTION Manager wanted for old-established Manufacturing Pharmaceutical business in London area; must have complete knowledge of manufacture of Capsules, lozenges and pastilles, and be able to produce experimental batches to new formulae; should hold a qualification registerable under Rule 29, Poisons and Pharmacy Act. Apply, stating age, experience and salary required, to 301/884, Office of this Paper.

REPRESENTATIVES wanted in England for the Wholesale of the well-known Derris Products in powder and soap shape, made by "Esko," Pharmacostatical Works at Paroeng-Koeda (Java Dutch East Indies) and to be used against vegetable and animal diseases, etc. Applicants must be well introduced amongst large buyers in the agriculture and cattle breeding, and are requested to write with full particulars to the Head Office for Europa: L. S. Koperberg, 89 Jodenbreestraat, at Amsterdam (Holland).

SALES promotion and development; traveller, under 30, wanted by large British manufacturer, for General Grocers all over Britain; view sales executive on approved merits; must be in junior position now on similar work (no others need apply). State age, salary, and full particulars of experience to 301/881, Office of this Paper.

TECHNICAL MANAGER required by firm of international repute. Applicants should possess a pharmaceutical qualification, and must have considerable knowledge of, and experience in, the manufacture of pharmaceutical products, tablets, ampoules, syrups, cosmetics, etc., and works organisation generally; also analytical experience. Full particulars, stating salary required, which will be treated in strict confidence, to 301/882, Office of this Paper.

THREE Representatives required, who are able to carry an additional line; article is to be nationally advertised shortly; territory open, Southern Counties, London and Midlands; 10 per cent. will be payable, with prospects of salary, commission and expenses; only gentlemen, with sound established connexions need apply. 301/887, Office of this Paper.

TRAVELLERS, all districts England, Scotland and Wales, to sell new and approved sideline showing good profit to Chemist; liberal commission basis. The Klenza Products Co., Wellesley Street, Shelton, Stoke-on-Trent.

WANTED for skilled process work, man used to Dispensing and small-scale manufacturing, but not necessarily qualified; age 35-45. Write, stating full particulars of experience, salary required, etc., to: Chief Chemist, Box 1092, T. G. Scott & Son, Ltd., 63 Ludgate Hill, London, E.C.4.

COLONIAL, INDIAN AND FOREIGN.

SINGAPORE.—Junior Assistant, M.P.S. degree, required for Medical Hall, Ltd.; Scotsman preferred; single; active worker; healthy climate; four years' agreement; passage paid out and back; salary \$300 dollars per mensem, rising by annual increments of 25 dollars per mensem to \$375 dollars per mensem in fourth year; successful applicant to pass medical examination. Apply with full particulars of age, height, service, copies of testimonials and photograph, if available, to G. W. Crawford, M.P.S., St. Quivox, Whiting Bay, Isle of Arran, N.B.

WEST AFRICA.—Qualified Chemist; single, age 24/26; commencing salary £350 per annum; good prospects to suitable man. Apply, giving full particulars, to 301/888, Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A. ASSISTANT (24), seeks situation, City; West London; West End; disengaged; London, West End experience; references. Unqualified, 47 Aldebourne Road, W.12.

ASSISTANT, good all-round; 16 years last reference; Unqualified; permanency or locum; London area. Stevens, 46 Maybury Gardens, Willesden Green, N.W.10.

ASSISTANT, Unqualified (22); tall, smart; Window-dresser; Counter and Dispensing; trustworthy; excellent references; permanency; South-West London. H. Yeldham, 101 Sydney Road, Raynes Park, S.W.

ASSISTANT, West End experience, Counter and Dispensing; good reference recently disengaged; locum or permanency; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

CHEMIST, 25 years as Branch Manager (retired on pension), offers services as locum in Middlesex, Herts or Bucks. "Pharmacis," "Dunollie," Lancing Way, Croxley Green, Herts.

LADY Assistant (L.P.S.I.), 12 years' sound experience, desires post with Chemist or Doctor; excellent references. P.C.B. 243/28, Office of this Paper.

LADY Dispenser Book-keeper, Hall Certificate, desires post Doctor or Institution; Hospital Dispensary training; experienced General Practice; good references. 76/2, Office of this Paper.

LADY Dispenser (Hall) seeks post. Miss D. Lawrence, "Wincarcroft," Hawkhill Chase, Hockley, Essex.

LOCUM, experienced Chemist, free only May 31-June 5, and June 21-26. Chemist, 16 Montserrat Road, Putney, London, S.W.15.

LOCUM, or Season, immediately; experienced Dispenser; all-round man, middle-aged. Ajax, 10 Forest Road, Woodford Wells, E.18.

LOCUM or Temporary Assistant (male); experienced; free May 20; abstainer. H. G., 42 Alexandra Road, Southampton.

LOCUM, Qualified; excellent Dispenser; 4 years' City experience; free May 17; London district preferred. Young, "Lareen," Magheraleave, Lisburn.

LOCUM, Qualified; trustworthy; some years' experience; London, etc.; free May 17-23 and later. Harris, 20 Winnock Road, Colchester.

LOCUM, Qualified (37); free May 17-29, August 3-14, June 14-19. Beck, 193 Harrow View, Harrow. Gerrard 1699.

UNQUALIFIED Assistant (25), now disengaged, requires locum or permanency; London or Home Counties. "Aspirin," 1 Mill Way, N.W.7.

WHOLESALE

ADVERTISER (27) desires position as representative (medical preferred); Irish Free State; 10 years' experience retail; 3 years medicine; highest credentials; 77/2, Office of this Paper.

GENTLEMAN (30) seeks position with manufacturer of repute in/outdoor; energetic, smart appearance; 12 years' retail experience; trained Salesman; organising ability; present position Assistant Manager; car driver. 78/26, Office of this Paper.

QUALIFIED, Ph.C. and M.I.C.O., well recommended; established connexion; best accounts; Northern Ireland; desires Representation, established firm. 72/1, Office of this Paper.

WANTED, Situation as Packer; Home and Export. Apply to P.B.C. 243/24, Office of this Paper.

WORKS Manager and Cosmetic Chemist, also experienced in Pharmaceutical Manufacturing, will be open for engagement shortly, just on completion of 5 years' contract; good practical man with creative knowledge; well up in all packings, Buying, Costing and Machinery; full control of staff, male and female; age 48, tall and smart. 71/13, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

PH.C., ENGLISHMAN, would like to Represent Manufacturer or Drug house in Victoria; many years Australian Pharmaceutical experience; leaving England at end of Summer. 73/13, Office of this Paper.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

Please register your vote

VOTE FOR IRVINE

THE OFFICIAL CANDIDATE OF THE NATIONAL ASSOCIATION OF WOMEN PHARMACISTS

TO THOSE PHARMACISTS WHO ARE TOO DISGUSTED TO VOTE . . .
... but think that our Council should act!

One new member of Council can do little—
FOUR standing together can do more!!!

VOTE FOR MANTON, MAWER, WALLIS & WILSON
and safeguard the Retailer's interests!

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes). Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

FOR SALE
(Articles to the value of £5-£50.)

CASH Register, "National" type; prints all details and shows total inside; bargain. Write P. Slater, 8 Fairfield Crescent, N.W.9.

MISCELLANEOUS

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A CHEAP set of excellent Oak Chemists' Fittings, just to hand; 11 ft. Drug Run fitted 30 Green Glass Labelled Drawers, Lockers under; Cupboards and Mirror-back Show Case; 11 ft. 3 in. Wall Case, glazed plate glass; 9-ft. glass-fronted Counter; 6 ft. 6 in. Dispensing Screen with bevelled Mirror; National Cash Register, Glass Shelves, etc. RUDDUCK & CO., 219/227 Old Street, London, E.C.1.

ALL ATTWOOD trained students receive introductions to SALARIED SALES POSITIONS.

Why not qualify by spare-time study for this interesting well-paid work? Send to-day for FREE book "Salesmanship."

WALLACE ATTWOOD COLLEGE, LTD.,
Dept. 84, Victoria House, Southampton Row, W.C.1.

CHEMISTS' FITTINGS.—New and Second-hand Drug Runs, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cascs, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shopfitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

MODERN Dispensing Counter (5 ft. 10 in. high x 6 ft. long), drawers at back, showcases front, oak. Oak Cash Desk (Cash Till, Drawers, etc.), 3 ft. deep, 4 ft. 6 in. high. Several Counters and Showcases. What offers? Bathes, 24 Fleet Street, Torquay.

MODERN Photographic Apparatus Bought for Cash; New and Second-hand Cameras, Enlargers, Exposure Meters, tanks, Range-finders, Cine Cameras, Projectors, etc., wanted immediately; good prices paid. L. Mansley, 26 Bradford Road, Wrenthorpe, Wakefield.

SECOND-HAND AND SHOP-SOILED FITTINGS.—A large quantity removed when refitting. Send your requirements or call at PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. 'Phone: Clerk. 4111/2. "Pharmacy Fitters for over a Century."

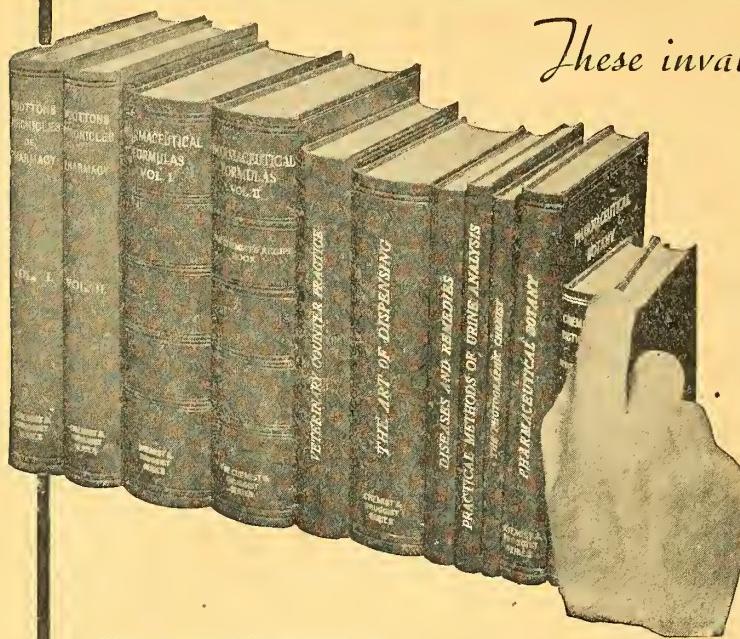
£9—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting, Signs and modern Interior Fittings. Apply for Lists, D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped 1d. the Chemist and Druggist Supplement will be forwarded without cost.

LOOSE STAMPS WILL NOT BE ACCEPTED

If wrappers bear a halfpenny stamp only, Postal delivery may be delayed.



*These invaluable books should
be ready to your hand.*

"THE CHEMISTS' COMPACT LIBRARY"

These books provide a ready source of up-to-date and accurate information on their particular subjects . . . No pharmacists' library is complete without them.



The Photographic Chemist

A concise guide to Chemists commencing and carrying on a photographic department.
Price 3s. 6d. (3s. 8d. Post free)

Practical Methods of Urine Analysis

Written by an expert pharmacist and revised by a medical practitioner experienced in clinical analysis. 97 pages.

Price 4s. (4s. 3d. Post free)

Provincial Hospital Pharmacopœias

Gives formulas for medical prescriptions used in 22 Hospitals outside the London area. 296 pages.
Price 3s. (3s. 2d. Post free)

Veterinary Counter Practice

New and thoroughly revised edition just published. The most useful book ever published on this subject.

Price 10s. (10s. 6d. Post free)

Wootton's Chronicles of Pharmacy

A fascinating study of the evolution of Pharmacy. Two volumes. Maroon cloth. 770 pages.
Price 10s. 6d. (11s. 3d. Post free)

The C. & D. Poisons Guide

Authoritative, accurate and concise. Classifies over 2,500 poisons.
Price 3s. 6d. (3s. 9d. Post free)

The C. & D. Price List Formulary

A Choice collection of good formulas. All users of the C. & D. Price List require a copy of this formulary.

The C. & D. Stocktaking Pad

Halves your stocktaking worries.
Price 2s. 6d. (Post free)

Shops Act Cards

Price 1s. each, 3 for 2s. 9d. (Post free)

The Art of Dispensing

A completely revised edition is now in the press.
Date of publication will shortly be announced.
Price 10s. 6d. (11s. Post free)

The Chemists' Dictionary of Medical Terms

Medical terms concisely defined together with notes on the treatment of the more important ailments.
Price 3s. 6d. (3s. 8d. Post free)

Diseases and Remedies

Newly revised and brought up to date (1936). Contains information of practical value and a host of reliable formulas.
Price 7s. 6d. (7s. 10d. Post free)

A Handbook to Pharmacy

By William Kirkby, M.Sc., Pharmaceutical Chemist. A book you must have. Invaluable for rapid reference purposes in dispensary or laboratory.
Price 5s. (5s. 4d. Post free)

Pharmaceutical Botany

A useful gift for apprentices and assistants who have not passed the qualifying examinations.
Price 5s. (5s. 4d. Post free)

Pharmaceutical Formulas (Vol. I)

The most complete pharmaceutical formulary in the English Language. 1,146 pages.
Price 15s. (15s. 6d. Post free)

Pharmaceutical Formulas (Vol. II)

Published 1934. Supplementary to Vol. I and known as the Chemists' Recipe Book. Replete with an amazing variety of formulas. Over 1,000 pages.
Price 15s. (15s. 6d. Post free)

Order from The PUBLISHER, THE CHEMIST and DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C.2

Phone: CENTRAL 6565

BROMIDES
IODIDES
ALKALOIDS
FINE CHEMICALS
DRUG GRINDING
ESSENTIAL OILS
VERMILION

FLOTATION CHEMICALS ————— DYE-LINE CHEMICALS
CAMPHORSULPHONATES—ATROPINE DERIVATIVES
PHENYLMERCURICS ————— IODOSALICYLATES
BROMINE & IODINE COMPOUNDS

WHIFFEN & SONS Limited

INCORPORATING GEORGE ATKINSON & COMPANY. EST. 1654

Aldersgate Chemical Works, LONDON, S.W.6

Telegrams: Whiffen London

Telephone: Fulham 0037

beech

SUN TAN LOTION

Non-oily

This picture is to remind you to profit this season from the sale of this successful non-oily sun tan lotion.

P.A.T.A. PRICES (Home Trade)

1/6 size	-	12/- per doz. net
2/6 "	-	20/- " "

DISPLAY TERMS
"Thirteen to the dozen" and Special prices for quantities.

A product of THE BRITISH DRUG HOUSES LTD., LONDON, N.I